



Submittal Register

Contract Number: N62470-08-D-1006		TO No.: WE-23					TO Title: Installation of Interim Emergency Liquid Phase Granular Activated Carbon (LPGAC) Unites				Location: Levittown, New York				Contractor: 	
A		C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Spec Section	Shop Drawing Title	Para. Number	Subcontractor	Approving Authority	Other Reviewers	Sequential Number	Submittal Number	Submission Date	AGVIQ-CH2M Review Date	AGVIQ-CH2M Disposition	AGVIQ-CH2M Transmit Date	Contracting Officer Received	Contracting Officer Disposition	Contracting Officer Return	Contractor Return	Remarks
Scope of Work																
01 01 00	Markup Drawings	1.3		Contracting Officer												None Required
01 01 00	Health and Safety Plan	Section 1	Phillip Ross	AGVIQ-CH2M HILL		19	019-010100-3	2/17/2012	2/23/2012	Not Subject to Review	NA	NA	NA	NA	2/23/2012	Contractor to abide by AGVIQ-CH2M HILL APP.
01 01 00	Utility Mark Out Ticket	Section 2	Phillip Ross	AGVIQ-CH2M HILL		20	020-010100-4	2/17/2012	2/21/2012	Not Subject to Review	2/21/2012	2/21/2012	Receipt Acknowledged	2/21/2012	2/21/2012	
01 01 00	Activity Hazard Analysis	Section 1	Phillip Ross	AGVIQ-CH2M HILL		33	033-010100-5	3/2/2012	3/13/2012	Not Subject to Review	NA	NA	NA	NA	3/13/2012	Contractor to abide by AGVIQ-CH2M HILL APP.
01 35 10	Erosion and Sediment Control Plan	Section 1	Phillip Ross	AGVIQ-CH2M HILL		21, 34	034-013510-1	3/2/2012	3/13/2012	Approved as Noted	3/13/2012	3/15/2012	Receipt Acknowledged	3/15/2012	3/13/2012	Second submittal received 2/27/2012, also Revise and Resubmit
01 01 00	Crane Lift Plan	Section 2	Phillip Ross	Government Approval		43	042-010100-6	3/22/2012	3/23/2012	Approved	3/23/2012	4/2/2012	Receipt Acknowledged	3/15/2012	N/A	
01 01 00	DPW Approval Letter	Section 1	AGVIQ/CH2M HILL	AGVIQ-CH2M HILL		50	050-010100-7	3/30/2012	3/30/2012	Approved	3/30/2012	4/2/2012	Receipt Acknowledged	3/15/2012	N/A	
Cast-In-Place Concrete																
03 30 00	Shop Drawings - Formwork	1.3	Phillip Ross	AGVIQ-CH2M HILL		32	032 - 033000-1	3/2/2012	3/5/2012	Approved as Noted	3/5/2012	3/5/2012	Receipt Acknowledged	3/6/2012	3/5/2012	
03 30 00	Shop Drawings - Reinforcing Steel	1.3	Phillip Ross	Government Approval		22	022-033000-2	2/17/2012	2/20/2012	Approved	2/20/2012	2/20/2012	Approved	2/23/2012	2/23/2012	
03 30 00	Product Data - Materials for Curing Concrete	1.3	Phillip Ross	Government Approval		24	024-033000-6	2/17/2012	2/20/2012	Approved	2/20/2012	2/20/2012	Approved as Noted	2/23/2012	2/23/2012	Curing materials to conform to ASTM c 171. Resubmission not required. MSDS Included
03 30 00	Product Data - Joint Filler	1.3	Phillip Ross	AGVIQ-CH2M HILL		25	025-033000-7	2/28/2012	3/12/2012	Approved as Noted	3/13/2012	3/15/2012	Receipt Acknowledged	3/15/2012	3/13/2012	
03 30 00	Product Data - Portland Cement	1.3	Phillip Ross	AGVIQ-CH2M HILL		23	023-033000-4	2/17/2012	2/20/2012	Approved	2/20/2012	2/20/2012	Receipt Acknowledged	2/23/2012	2/20/2012	MSDS Included
03 30 00	Product Data - Vapor Barrier	1.3														Not Required for Project
03 30 00	Design Data - Concrete Mix Design	1.3	Phillip Ross	Government Approval		26	026-033000-9	2/17/2012	2/20/2012	Approved	2/20/2012	2/20/2012	Approved	2/23/2012	2/23/2012	MSDS x2 Included
03 30 00	Test Reports - Concrete Sampling and Testing - Footer 7 Day Breaks	1.3	PRI/LIT	AGVIQ-CH2M HILL		40	040 033000-11	3/16/2012	3/21/2012	Approved	3/21/2012	3/22/2012	Receipt Acknowledged	3/22/2012	3/21/2012	
03 30 00	Test Reports - Concrete Sampling and Testing - Pad 7 Day Breaks	1.3	PRI/LIT	AGVIQ-CH2M HILL		44	044 033000-12	3/22/2012	3/27/2012	Approved as Noted	3/27/2012	3/27/2012	Receipt Acknowledged	3/27/2012	3/27/2012	
03 30 00	Test Reports - Concrete Sampling and Testing - Footer 14 Day Breaks	1.3	PRI/LIT	AGVIQ-CH2M HILL		45	045 033000-13	3/22/2012	3/27/2012	Approved as Noted	3/27/2012	3/27/2012	Receipt Acknowledged	3/27/2012	3/27/2012	
03 30 00	Test Reports - Concrete Sampling and Testing - Pad 14 Day Breaks	1.3	PRI/LIT	AGVIQ-CH2M HILL		48	048 033000-14	3/29/2012	3/30/2012	Approved as Noted	3/30/2012	4/2/2012	Receipt Acknowledged	4/2/2012	3/30/2012	
03 30 00	Test Reports - Concrete Sampling and Testing - Footer 28 Day Breaks	1.3	PRI/LIT	AGVIQ-CH2M HILL		51	051 033000-15	5/11/2012	5/11/2012	Approved	5/11/2012	5/14/2012	Receipt Acknowledged	5/14/2012	N/A	
03 30 00	Test Reports - Concrete Sampling and Testing - Pad 28 Day Breaks	1.3	PRI/LIT	AGVIQ-CH2M HILL		52	051 033000-16	5/11/2012	5/11/2012	Approved	5/11/2012	5/14/2012	Receipt Acknowledged	5/14/2012	N/A	
03 30 00	Soil Density Test Results	3.2.2	PRI/LIT	AGVIQ-CH2M HILL		35	035 033000-8	3/7/2012	3/8/2012	Approved	3/8/2012	3/8/2012	Receipt Acknowledged	3/9/2012	3/8/2012	
03 30 00	Soil Density Test Results	3.2.2	PRI/LIT	AGVIQ-CH2M HILL		36	036 033000-9	3/12/2012	3/14/2012	Approved	3/14/2012	3/15/2012	Receipt Acknowledged	3/15/2012	3/14/2012	
03 30 00	Material Safety Data Sheets	1.6.2.2														Submitted along with product submittals.
03 30 00	Certificates - Reinforcing Steel Mill Certificates	1.3	PRI/York	AGVIQ-CH2M HILL		39	039 033000-10	3/9/2012	3/21/2012	Approved	3/21/2012	3/22/2012	Receipt Acknowledged	3/22/2012	3/21/2012	
Water Piping																
33 11 00	Product Data - water main piping	1.4	Phillip Ross	AGVIQ-CH2M HILL		56	056 331100 - 2	5/11/2012	5/11/2012	Approved	5/11/2012	5/11/2012			N/A	
33 11 00	Product Data - fittings and joints	1.4	AQUA-NY	AGVIQ-CH2M HILL		37	037 331100 - 2.1.1	3/14/2012	3/14/2012	Approved	3/14/2012	3/15/2012	Receipt Acknowledged	3/15/2012	N/A	
33 11 00	Product Data - butterfly valves	1.4	AQUA-NY	Variation - Government		38	038 331100 - 1.4	3/14/2012	3/14/2012	Approved	3/14/2012	3/15/2012	Approved	3/20/2012	N/A	Wrongly specified in section 40 05 13 as above grade equipment.
33 11 00	Product Data - butterfly valves v2	1.4	AQUA-NY	Variation - Government		49	049 331100 - v2	3/30/2012	3/30/2012	Approved	3/30/2012	4/2/2012	Approved	4/2/2012	N/A	Wrongly specified in section 40 05 13 as above grade equipment.
33 11 00	Product Data - check valve	1.4	Phillip Ross	Variation - Government		41	041 331100-1	3/21/2012	3/21/2012	Approved	3/21/2012	3/22/2012	Approved	3/22/2012	3/22/2012	
33 11 00	Test Results - Bacteriological Disinfection	1.4	AGVIQ-CH2M HILL	AGVIQ-CH2M HILL		55	055 331100-3	5/11/2012	5/11/2012	Approved	5/11/2012	5/14/2012	Receipt Acknowledged	5/14/2012	N/A	
33 11 00	Test Results - Hydrostatic Testing	1.4														Provided in Submittal 057 - 400513-9
33 11 00	Test Results - Valve Testing	1.4														Provided in Submittal 057 - 400513-9
Pipelines, Process Piping																
40 05 13	Product Data - piping systems	1.4														
40 05 13	Pressure Reducing Valve	2.9.5	Calgon	AGVIQ-CH2M HILL		1	001 - 40 05 13 - 2.9.5	2/10/2012	2/14/2012	Approved	2/15/2012	2/15/2012	Received	2/15/2012	2/17/2012	
40 05 13	Air Release	2.9.1	Calgon	AGVIQ-CH2M HILL		9	009 - 40 05 13 - 2.9.1	2/16/2012	2/17/2012	Approved	2/17/2012	2/21/012	Receipt Acknowledged	2/21/012	2/17/2012	
40 05 13	Expansion Joint	2.9.3	Calgon	AGVIQ-CH2M HILL		10	010 - 40 05 13 - 2.9.3	2/16/2012	2/17/2012	Approved	2/17/2012	2/21/012	Receipt Acknowledged	2/21/012	2/17/2012	
40 05 13	Rupture Disk	2.9.4	Calgon	AGVIQ-CH2M HILL		11	011 - 40 05 13 - 2.9.4	2/16/2012	2/17/2012	Approved	2/17/2012	2/21/012	Receipt Acknowledged	2/21/012	2/17/2012	
40 05 13	Swing Check Valve	2.6.3.1	Phillip Ross	AGVIQ-CH2M HILL		15	015-400513-2	2/15/2012	2/21/2102	Submittal Not Required	NA	NA	NA	NA	2/21/2012	Equipment to be provided by AQUA-NY
40 05 13	Pipe, Fittings, and Accessories	2.2	Phillip Ross	AGVIQ-CH2M HILL		17	017-400513-1	2/16/2012	2/21/2102	Submittal Not Required	NA	NA	NA	NA	2/21/2012	Equipment to be provided by AQUA-NY
40 05 13	Gate Valve	2.6.5	Phillip Ross	AGVIQ-CH2M HILL		18, 31	031-400513-3	2/29/2012	3/13/2012	Approved	3/13/2012	3/15/2012	Receipt Acknowledged	3/15/2012	3/13/2012	
40 05 13	PVC Primer	2.3	Phillip Ross	AGVIQ-CH2M HILL		46	046 400513-7	3/27/2012	3/27/2012	Approved	3/27/2012	3/27/2012	Receipt Acknowledged	3/27/2012	3/27/2012	MSDS Included
40 05 13	PVC Solvent cement	2.3	Phillip Ross	AGVIQ-CH2M HILL		47	047 400513-6	3/27/2012	3/27/2012	Approved	3/27/2012	3/27/2012	Receipt Acknowledged	3/27/2012	3/27/2012	MSDS Included
40 05 13	RPZ Backflow Preventer	1.4	AGVIQ-CH2M HILL	Government Approval		42	042 - 400513-4	3/21/2012	3/21/2012	Approved	3/21/2012	3/22/2012	Approved	3/22/2012	3/22/2012	
40 05 13	MSDS - each chemical	1.4														Submitted along with product submittals.
40 05 13	Test Reports - Hydrostatic Tests	1.4	AGVIQ-CH2M HILL	AGVIQ-CH2M HILL		57	057 - 400513-9	5/14/2012	5/14/2012	Approved	5/14/2012				N/A	
40 05 13	Test Reports - Pipe leakage Tests	1.4														Provided in Submittal 057 - 400513-9
40 05 13	Test Reports - Valve Tests	1.4														Provided in Submittal 057 - 400513-9
40 05 13	Test Reports - Disinfection	1.4														Provided in Submittal 055 - 331100-2
40 05 13	As-Built Drawings	1.4	AGVIQ-CH2M HILL	AGVIQ-CH2M HILL		53	053 - 400513-8	5/11/2012	5/11/2012	Approved	5/11/2012	5/14/2012	Receipt Acknowledged	5/14/2012	N/A	
None	Pressure Release Valves Influent/Effluent Pipes	NA	AGVIQ-CH2M HILL	Government Approval		58	058	7/7/2012	7/7/2012	Approved	7/10/2012	7/10/2012	Approved	7/10/2012	N/A	PRV for influent & effluent lines
None	Pressure Release Valves to Replace Rupture Disks	NA	AGVIQ-CH2M HILL	Government Approval		59	059	7/10/2012	7/10/2012	Approved	7/16/2012					PRV to replace rupture disks

Submittal Register

Contract Number: N62470-08-D-1006		TO No.: WE-23					TO Title: Installation of Interim Emergency Liquid Phase Granular Activated Carbon (LPGAC) Unites				Location: Levittown, New York				Contractor: 	
A		C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Spec Section	Shop Drawing Title	Para. Number	Subcontractor	Approving Authority	Other Reviewers	Sequential Number	Submittal Number	Submission Date	AGVIQ-CH2M Review Date	AGVIQ-CH2M Disposition	AGVIQ-CH2M Transmit Date	Contracting Officer Received	Contracting Officer Disposition	Contracting Officer Return	Contractor Return	Remarks
Instrumentation and Process Control																
40 95 00	Product Data - Instrument and Process Controls	1.2														
40 95 00	Pressure Gauges	2.3.2.1	Calgon	AGVIQ-CH2M HILL		2	002 - 40 95 00 - 2.3.2.1	2/10/2012	2/14/2012	Approved as Noted	2/15/2012	2/15/2012	Received	2/15/2012	2/17/2012	
40 95 00	Differential Pressure Gauges	2.3.2.2	Calgon	AGVIQ-CH2M HILL		3	003 - 40 95 00 - 2.3.2.2	2/10/2012	2/14/2012	Approved	2/15/2012	2/15/2012	Received	2/15/2012	2/17/2012	
40 95 00	Flow Sensor Indicator	2.3.1	Calgon	Variation - Government		4	004 - 40 95 00 - 2.3.1	2/10/2012	2/14/2012	Approved	2/17/2012	2/17/2012	Approved	2/29/2012	2/29/2012	
40 95 00	Flow Meter	2.3.1	Phillip Ross	AGVIQ-CH2M HILL		16	016-409500-1	2/15/2012	2/20/2012	Approved	2/20/2012	2/20/2012	Receipt Acknowledged	2/23/2012	2/20/2012	
Liquid Phase Granular Activated Carbon Adsorption System																
43 31 13	Product Data - Adsorber Vessel	1.4.A	Calgon	AGVIQ-CH2M HILL		6	006 - 43 31 13 - 1.4.A	2/14/2012	2/14/2012	Approved	2/15/2012	2/15/2012	Received	2/15/2012	2/17/2012	
43 31 13	Ball Valves	2.5.C	Calgon	AGVIQ-CH2M HILL		7	007 - 40 05 13 - 2.6.4	2/15/2012	2/17/2012	Approved	2/17/2012	2/21/012	Receipt Acknowledged	2/21/012	2/17/2012	
43 31 13	Butterfly Valves	2.5.B	Calgon	AGVIQ-CH2M HILL		8	008 - 40 05 13 - 2.6.6	2/15/2012	2/17/2012	Approved	2/17/2012	2/21/012	Receipt Acknowledged	2/21/012	2/17/2012	
43 31 13	System Flow Diagram	1.4.B														Information included in general arrangement and process flow drawings
43 31 13	System General Arrangement	1.4.C	Calgon	Variation - Government		27	027 - 43 31 13 1.4.C	2/17/2012	2/20/2012	Approved as Noted	2/20/2012	2/20/2012	Approved	2/23/2012	2/23/2012	
43 31 13	Process Flow and Instrument Diagrams	1.4.D	Calgon	AGVIQ-CH2M HILL		5	005 - 43 31 13 - 1.4.D	2/17/2012	2/20/2012	Approved	2/20/2012	2/20/2012	Receipt Acknowledged	2/23/2012	2/20/2012	
43 31 13	System Pressure Drop Information	1.4.E	Calgon	AGVIQ-CH2M HILL		28	028 43 31 13 1.4.E	2/17/2012	2/20/2012	Approved	2/20/2012	2/20/2012	Receipt Acknowledged	2/23/2012	2/20/2012	
43 31 13	GAC Specifications	1.4.F	Calgon	Variation - Government		14	014 - 43 31 13 - 1.4.F	2/16/2012	2/17/2012	Approved as Noted	2/17/2012	2/17/2012	Approved	2/23/2012	2/23/2012	MSDS Included
43 31 13	Manufacturer's Certificates	1.4.G	Calgon	AGVIQ-CH2M HILL												
43 31 13	Specifications - Process and Utility Piping	2.4	Calgon	AGVIQ-CH2M HILL		29	029 - 43 31 13 2.4	2/23/2012	2/23/2012	Approved	2/23/2012	2/23/2012	Receipt Acknowledged	2/23/2012	2/23/2012	
43 31 13	Specifications - Vessel Lining	1.4.H.1	Calgon	AGVIQ-CH2M HILL		12	012 - 43 31 13 - 1.4.H.1	2/16/2012	2/17/2012	Approved	2/17/2012	2/21/012	Receipt Acknowledged	2/21/012	2/17/2012	If done on site, MSDS needed and Confined Space Entry
43 31 13	Specifications - Vessel Painting	1.4.H.2	Calgon	AGVIQ-CH2M HILL		13	013 - 43 31 13 - 1.4.H.2	2/16/2012	2/17/2012	Approved	2/17/2012	2/21/012	Receipt Acknowledged	2/21/012	2/17/2012	MSDS Printed and Saved
43 31 13	System O & M Manual	1.4.I	Calgon	AGVIQ-CH2M HILL		54	054 - 43 31 13 - 1.4.I	5/11/2012	5/11/2012	Approved	5/11/2012	5/14/2012	Receipt Acknowledged	5/14/2012	N/A	



**TRANSMITTAL OF CONTRACTOR'S SUBMITTAL**  
(ATTACH TO EACH SUBMITTAL)

DATE: 03/8/2012

To:	NAVFAC MIDLANT Mr. Greg Pearman gregory.pearman@marines.usmc.mil	From:	Don Conger, PE, AGVIQ-CH2M HILL (Contractor) Don.Conger@ch2m.com
CC:	christopher.shukis@navy.mil Lora.Fly@navy.mil	CC:	Jim.Nicotri@ch2m.com smatney@tikigaq.com Amy.Wolff@ch2m.com

SUBMITTAL INFORMATION	
Submittal No.:	035 033000-8 Soil Density Test
<input checked="" type="checkbox"/> New Submittal	<input type="checkbox"/> Resubmittal
Project:	Interim Emergency Wellhead Treatment Aqua-NY Water Treatment Facility
Project No.:	N62470-08-D-1006, TO No.: WE23
Specification Section No.:	03 30 00
Date of Submittal:	3/7/2012

SUBMITTAL TYPE:		
<input type="checkbox"/> Shop Drawing	<input type="checkbox"/> Sample	<input checked="" type="checkbox"/> Informational
<input type="checkbox"/> Material Data	<input type="checkbox"/> Proposed Substitution	<input type="checkbox"/> Other

The following items are hereby submitted:

Number of Copies	Description of Item Submitted (Type, Size, Model Number, Etc.)	Spec. and Para. No.	Drawing or Brochure Number	Contains Variation to Contract	
				No	Yes
1	All Island Testing Associates – Soil Density Testing Results	03 30 00, 3.2.2		<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following information about the submission is hereby provided:

Soil Density Testing Results
The attached soil density testing results show a passing grade (above 95%) for the compacted soil below the concrete slab. The tests were performed in accordance with ASTM D1157 per the specifications. The submittal is hereby submitted to the Government for your information, and approval is not required.

CONTRACTOR hereby certifies that (i) CONTRACTOR has complied with the requirements of Contract Documents in preparation, review, and submission of designated Submittal and (ii) the Submittal is complete and in accordance with the Contract Documents and requirements of laws and regulations and governing agencies.

By:   
CONTRACTOR (Authorized Signature)

## Submittal Review Comments Checklist

PROJECT DATA			
Project Name:	Interim Emergency Wellhead Treatment Aqua-NY	Client:	Naval Facilities Engineering Command, Mid-Atlantic
Project No.:	N62470-08-D-1006 TO No.: WE23	Project Location:	Seamans Neck Road, Levittown, New York
Inspection Date:	2/23/2012	Inspector:	Don Conger, CH2M HILL
Report No:	035	Contractor:	AGVIO-CH2M HILL

SUBMITTAL DETAILS			
Submittal No.:	035 033000-8 Soil Density Test		
Specification Section:	03 30 00	Reviewer Name:	Don Conger, CH2M HILL
Description:	Process and Utility Piping	Page:	03 30 00 - 15
Submittal Type:	<input type="checkbox"/> Shop Drawing <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Information		
Approval:	<input checked="" type="checkbox"/> 1. Approved <input type="checkbox"/> 2. Approved as noted <input type="checkbox"/> 3. Partial Approval – Resubmit as Noted (resubmittal required) <input type="checkbox"/> 4. Revise and Resubmit (resubmittal required) <input type="checkbox"/> 5. Not subject to review		

SUBMITTAL LIST		
No.	Comment	Related Spec Paragraph/Drawing
001	Compaction Test ASTM D 1557 passed per specifications.	03 30 00, 3.2.2



# ALL ISLAND TESTING ASSOCIATES, INC.

75B Pine Aire Drive  
Bay Shore, NY 11706  
Phone (631) 273-5717  
Fax (631) 273-2457

P Ross Industries Inc  
200 Long Island Avenue  
Wyandanch, N.Y. 11798

Re: 670 Seaman's Neck Road, Levittown/Density Tests taken 3/6/12

INSPECTOR: DP Quick (8-4:30)

TEST #	MAX DENSITY	OPT MOISTURE	DRY DENSITY	% MOISTURE	% COMPACTION
1	135.4	7.9	130.4	5.4	96.3
2	135.4	7.9	130.8	5.9	96.6

LOCATION: Footing Grade

- 1) Westside Footing: 7' North of Southwest Corner
- 2) Eastside Footing: 6' North of Southeast Corner

SIEVE SIZE	PERCENT PASSING
3/4	94.1
3/8	84.9
4	72.3
10	58.9
20	44.6
40	26.3
60	15.6
100	12.2
200	11.3 (Wash)

MAXIMUM DENSITY (#/ft <sup>3</sup> )	135.4
OPTIMUM MOISTURE (%)	7.9

- NOTES: 1) The Density Tests were taken in accordance with ASTM D2167 (Standard Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method).
- 2) The Proctor (Max Density/Optimum Moisture) was taken in accordance with ASTM D1557 (Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort)

Respectfully Submitted,  
ALL ISLAND TESTING

  
Daniel Quick

Cc: Randy Grogan (RGrogan@tikigaq.com)



**TRANSMITTAL OF CONTRACTOR'S SUBMITTAL**  
(ATTACH TO EACH SUBMITTAL)

DATE: 03/14/2012

To:	NAVFAC MIDLANT Mr. Greg Pearman gregory.pearman@marines.usmc.mil	From:	Don Conger, PE, AGVIQ-CH2M HILL (Contractor) Don.Conger@ch2m.com
CC:	christopher.shukis@navy.mil Lora.Fly@navy.mil	CC:	Jim.Nicotri@ch2m.com smatney@tikigaq.com Amy.Wolff@ch2m.com

SUBMITTAL INFORMATION	
Submittal No.:	036 033000-9 Soil Density Test
<input checked="" type="checkbox"/> New Submittal	<input type="checkbox"/> Resubmittal
Project:	Interim Emergency Wellhead Treatment Aqua-NY Water Treatment Facility
Project No.:	N62470-08-D-1006, TO No.: WE23
Specification Section No.:	03 30 00
Date of Submittal:	3/12/2012

SUBMITTAL TYPE:		
<input type="checkbox"/> Shop Drawing	<input type="checkbox"/> Sample	<input checked="" type="checkbox"/> Informational
<input type="checkbox"/> Material Data	<input type="checkbox"/> Proposed Substitution	<input type="checkbox"/> Other

The following items are hereby submitted:

Number of Copies	Description of Item Submitted (Type, Size, Model Number, Etc.)	Spec. and Para. No.	Drawing or Brochure Number	Contains Variation to Contract	
				No	Yes
1	All Island Testing Associates – Soil Density Testing Results	03 30 00, 3.2.2		<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following information about the submission is hereby provided:

Soil Density Testing Results
The attached soil density testing results show a passing grade (above 95%) for the compacted soil below the concrete slab. The tests were performed in accordance with ASTM D1157 per the specifications. The submittal is hereby submitted to the Government for your information, and approval is not required.

CONTRACTOR hereby certifies that (i) CONTRACTOR has complied with the requirements of Contract Documents in preparation, review, and submission of designated Submittal and (ii) the Submittal is complete and in accordance with the Contract Documents and requirements of laws and regulations and governing agencies.

By:   
CONTRACTOR (Authorized Signature)

## Submittal Review Comments Checklist

PROJECT DATA			
Project Name:	Interim Emergency Wellhead Treatment Aqua-NY	Client:	Naval Facilities Engineering Command, Mid-Atlantic
Project No.:	N62470-08-D-1006 TO No.: WE23	Project Location:	Seamans Neck Road, Levittown, New York
Inspection Date:	3/12/2012	Inspector:	Don Conger, CH2M HILL
Report No:	036	Contractor:	AGVIO-CH2M HILL

SUBMITTAL DETAILS			
Submittal No.:	036 033000-9 Soil Density Test		
Specification Section:	03 30 00	Reviewer Name:	Don Conger, CH2M HILL
Description:	Process and Utility Piping	Page:	03 30 00 - 15
Submittal Type:	<input type="checkbox"/> Shop Drawing <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Information		
Approval:	<input checked="" type="checkbox"/> 1. Approved <input type="checkbox"/> 2. Approved as noted <input type="checkbox"/> 3. Partial Approval – Resubmit as Noted (resubmittal required) <input type="checkbox"/> 4. Revise and Resubmit (resubmittal required) <input type="checkbox"/> 5. Not subject to review		

SUBMITTAL LIST		
No.	Comment	Related Spec Paragraph/Drawing
001	Compaction Test ASTM D 1557 passed per specifications.	03 30 00, 3.2.2

# ALL ISLAND TESTING ASSOCIATES, INC.

75B Pine Aire Drive  
Bay Shore, NY 11706  
Phone (631) 273-5717  
Fax (631) 273-2457

P Ross Industries Inc  
200 Long Island Avenue  
Wyandanch, N.Y. 11798

Re: 670 Seaman's Neck Road, Levittown/Density Tests taken 3/12/12

INSPECTOR: E Hayden/DP Quick/C Japutra (8-4:30)

TEST #	MAX DENSITY	OPT MOISTURE	DRY DENSITY	% MOISTURE	% COMPACTION
1	135.8	7.6	129.7	7.2	95.5
2	135.8	7.6	130.0	7.2	95.7
3	135.8	7.6	130.9	7.1	96.4
4	135.8	7.6	132.1	6.1	97.3

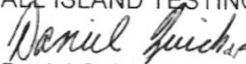
## LOCATION:

- 1) 1' South of North Wall, 4' East of West Wall, 2' Below Top of Wall
- 2) 6' South of North Wall, 1' West of East Wall, 2' Below Top of Wall
- 3) 4' North of South Wall, 10' East of West Wall, 1' Below Top of Wall
- 4) Middle of Filter Pad, Subgrade

SIEVE SIZE	PERCENT PASSING
3/4	85.5
3/8	80.9
4	72.2
10	60.9
20	48.1
40	28.6
60	17.1
100	13.1
200	11.9 (Wash)

MAXIMUM DENSITY (#/ft <sup>3</sup> )	135.8
OPTIMUM MOISTURE (%)	7.6

- NOTES: 1) The Density Tests were taken in accordance with ASTM D2167 (Standard Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method).
- 2) The Proctor (Max Density/Optimum Moisture) was taken in accordance with ASTM D1557 (Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort).

Respectfully Submitted,  
ALL ISLAND TESTING  
  
Daniel Quick

Cc: Randy Grogan (RGrogan@tikigaq.com)



**TRANSMITTAL OF CONTRACTOR'S SUBMITTAL**  
(ATTACH TO EACH SUBMITTAL)

DATE: 03/21/2012

To:	NAVFAC MIDLANT Mr. Greg Pearman gregory.pearman@marines.usmc.mil	From:	Don Conger, PE, AGVIQ-CH2M HILL (Contractor) Don.Conger@ch2m.com
CC:	christopher.shukis@navy.mil Lora.Fly@navy.mil	CC:	Jim.Nicotri@ch2m.com smatney@tikigaq.com Amy.Wolff@ch2m.com

SUBMITTAL INFORMATION	
Submittal No.:	040 033000-10 Concrete Footer 7-Day Breaks
<input checked="" type="checkbox"/> New Submittal	<input type="checkbox"/> Resubmittal
Project:	Interim Emergency Wellhead Treatment Aqua-NY Water Treatment Facility
Project No.:	N62470-08-D-1006, TO No.: WE23
Specification Section No.:	03 30 00
Date of Submittal:	3/16/2012

SUBMITTAL TYPE:		
<input type="checkbox"/> Shop Drawing	<input type="checkbox"/> Sample	<input checked="" type="checkbox"/> Informational
<input type="checkbox"/> Material Data	<input type="checkbox"/> Proposed Substitution	<input type="checkbox"/> Other

The following items are hereby submitted:

Number of Copies	Description of Item Submitted (Type, Size, Model Number, Etc.)	Spec. and Para. No.	Drawing or Brochure Number	Contains Variation to Contract	
				No	Yes
1	All Island Testing Associates – Concrete Footer Testing and 7-Day Cylinder Breaks	03 30 00, 1.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following information about the submission is hereby provided:

Concrete Footer 7-Day Breaks
The attached concrete footer 7-day cylinder break testing results show that after 7 days, the concrete has cured to 88% of its design strength. In addition, the field concrete testing all passed per the specifications. The submittal is hereby submitted to the Government for your information, and approval is not required.

CONTRACTOR hereby certifies that (i) CONTRACTOR has complied with the requirements of Contract Documents in preparation, review, and submission of designated Submittal and (ii) the Submittal is complete and in accordance with the Contract Documents and requirements of laws and regulations and governing agencies.

By:   
CONTRACTOR (Authorized Signature)

## Submittal Review Comments Checklist

PROJECT DATA			
Project Name:	Interim Emergency Wellhead Treatment Aqua-NY	Client:	Naval Facilities Engineering Command, Mid-Atlantic
Project No.:	N62470-08-D-1006 TO No.: WE23	Project Location:	Seamans Neck Road, Levittown, New York
Inspection Date:	3/16/2012	Inspector:	Don Conger, CH2M HILL
Report No:	040	Contractor:	AGVIQ-CH2M HILL

SUBMITTAL DETAILS			
Submittal No.:	040 033000-10 Concrete Footer 7-Day Breaks		
Specification Section:	03 30 00	Reviewer Name:	Don Conger, CH2M HILL
Description:	Concrete Footer 7-Day Breaks	Page:	03 30 00 - 5
Submittal Type:	<input type="checkbox"/> Shop Drawing <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Information		
Approval:	<input checked="" type="checkbox"/> 1. Approved <input type="checkbox"/> 2. Approved as noted <input type="checkbox"/> 3. Partial Approval – Resubmit as Noted (resubmittal required) <input type="checkbox"/> 4. Revise and Resubmit (resubmittal required) <input type="checkbox"/> 5. Not subject to review		

[illegible]



ALL ISLAND TESTING ASSOC. INC.

75B Pine Aire Drive

Bayshore NY 11706

NYC DOB Lab #84

Office 631.273.5717

Fax 631.273.2457

Client: P Ross Industries	200 Long Island Avenue	Wyandanch, NY 11798	Date Cast: March 8, 2012
Project: 670 Seamans Neck Road			Lab p/u: 3/9/12
Contractor:			Concrete Supplier: Cross
Class Concrete: 4500			Yards Inspected: 12.5
Cyls: 5			

URING	INITIAL	MAX/MIN TEMP	Plant Man:
	FINAL		Time:
IELD	LOCATION	PROTECTION	Field Man: C Japutra
WEATHER:			Time: 8-4:30
			Lab Man: DM Quick
			Director: K Dietrich

## GRADATION

[illegible]

**Location of Concrete Placement:** Walls

### Reinforcing Steel Inspection:

[illegible]

Respectfully Submitted,

Only 1/4



**TRANSMITTAL OF CONTRACTOR'S SUBMITTAL**  
(ATTACH TO EACH SUBMITTAL)

DATE: 03/27/2012

To:	NAVFAC MIDLANT Mr. Greg Pearman gregory.pearman@marines.usmc.mil	From:	Don Conger, PE, AGVIQ-CH2M HILL (Contractor) Don.Conger@ch2m.com
CC:	christopher.shukis@navy.mil Lora.Fly@navy.mil	CC:	Jim.Nicotri@ch2m.com smatney@tikigaq.com Amy.Wolff@ch2m.com

SUBMITTAL INFORMATION	
Submittal No.:	044 033000-12 Concrete Pad 7-Day Breaks
<input checked="" type="checkbox"/> New Submittal	<input type="checkbox"/> Resubmittal
Project:	Interim Emergency Wellhead Treatment Aqua-NY Water Treatment Facility
Project No.:	N62470-08-D-1006, TO No.: WE23
Specification Section No.:	03 30 00
Date of Submittal:	3/22/2012

SUBMITTAL TYPE:		
<input type="checkbox"/> Shop Drawing	<input type="checkbox"/> Sample	<input checked="" type="checkbox"/> Informational
<input type="checkbox"/> Material Data	<input type="checkbox"/> Proposed Substitution	<input type="checkbox"/> Other

The following items are hereby submitted:

Number of Copies	Description of Item Submitted (Type, Size, Model Number, Etc.)	Spec. and Para. No.	Drawing or Brochure Number	Contains Variation to Contract	
				No	Yes
1	All Island Testing Associates – Concrete Pad Testing and 7-Day Cylinder Breaks	03 30 00, 1.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following information about the submission is hereby provided:

Concrete Footer 7-Day Breaks
The attached concrete pad 7-day cylinder break testing results show that after 7 days, the concrete has cured to 68% of its design strength. The field concrete testing passed per the specifications. The submittal is hereby submitted to the Government for your information, and approval is not required.

CONTRACTOR hereby certifies that (i) CONTRACTOR has complied with the requirements of Contract Documents in preparation, review, and submission of designated Submittal and (ii) the Submittal is complete and in accordance with the Contract Documents and requirements of laws and regulations and governing agencies.

By:   
CONTRACTOR (Authorized Signature)

## Submittal Review Comments Checklist

PROJECT DATA			
Project Name:	Interim Emergency Wellhead Treatment Aqua-NY	Client:	Naval Facilities Engineering Command, Mid-Atlantic
Project No.:	N62470-08-D-1006 TO No.: WE23	Project Location:	Seamans Neck Road, Levittown, New York
Inspection Date:	3/22/2012	Inspector:	Don Conger, CH2M HILL
Report No:	044	Contractor:	AGVIO-CH2M HILL

SUBMITTAL DETAILS			
Submittal No.:	044 033000-12 Concrete Pad 7-Day Breaks		
Specification Section:	03 30 00	Reviewer Name:	Don Conger, CH2M HILL
Description:	Concrete Pad 7-Day Breaks	Page:	03 30 00 - 5
Submittal Type:	<input type="checkbox"/> Shop Drawing <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Information		
Approval:	<input type="checkbox"/> 1. Approved <input checked="" type="checkbox"/> 2. Approved as noted <input type="checkbox"/> 3. Partial Approval – Resubmit as Noted (resubmittal required) <input type="checkbox"/> 4. Revise and Resubmit (resubmittal required) <input type="checkbox"/> 5. Not subject to review		

SUBMITTAL LIST		
No.	Comment	Related Spec Paragraph/Drawing
001	Test results conform to the contract specification. Break results indicate that there is a possibility that the cylinders will not reach supplied strength.	03 30 00, 1.3
002	Provide 14 and 28 day break results	03 30 00, 1.3

Respectfully Submitted,



**TRANSMITTAL OF CONTRACTOR'S SUBMITTAL**  
(ATTACH TO EACH SUBMITTAL)

DATE: 03/27/2012

To:	NAVFAC MIDLANT Mr. Greg Pearman gregory.pearman@marines.usmc.mil	From:	Don Conger, PE, AGVIQ-CH2M HILL (Contractor) Don.Conger@ch2m.com
CC:	christopher.shukis@navy.mil Lora.Fly@navy.mil	CC:	Jim.Nicotri@ch2m.com smatney@tikigaq.com Amy.Wolff@ch2m.com

SUBMITTAL INFORMATION	
Submittal No.:	045 033000-13 Concrete Footer 14-Day Breaks
<input checked="" type="checkbox"/> New Submittal	<input type="checkbox"/> Resubmittal
Project:	Interim Emergency Wellhead Treatment Aqua-NY Water Treatment Facility
Project No.:	N62470-08-D-1006, TO No.: WE23
Specification Section No.:	03 30 00
Date of Submittal:	3/22/2012

SUBMITTAL TYPE:		
<input type="checkbox"/> Shop Drawing	<input type="checkbox"/> Sample	<input checked="" type="checkbox"/> Informational
<input type="checkbox"/> Material Data	<input type="checkbox"/> Proposed Substitution	<input type="checkbox"/> Other

The following items are hereby submitted:

Number of Copies	Description of Item Submitted (Type, Size, Model Number, Etc.)	Spec. and Para. No.	Drawing or Brochure Number	Contains Variation to Contract	
				No	Yes
1	All Island Testing Associates – Concrete Footer 14-Day Cylinder Breaks	03 30 00, 1.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following information about the submission is hereby provided:

<b>Concrete Footer 7-Day Breaks</b>
The attached concrete footer 14-day cylinder break testing results show that after 14 days, the concrete has cured to 100% of its design strength. The submittal is hereby submitted to the Government for your information, and approval is not required.

CONTRACTOR hereby certifies that (i) CONTRACTOR has complied with the requirements of Contract Documents in preparation, review, and submission of designated Submittal and (ii) the Submittal is complete and in accordance with the Contract Documents and requirements of laws and regulations and governing agencies.

By:   
CONTRACTOR (Authorized Signature)

## Submittal Review Comments Checklist

PROJECT DATA			
Project Name:	Interim Emergency Wellhead Treatment Aqua-NY	Client:	Naval Facilities Engineering Command, Mid-Atlantic
Project No.:	N62470-08-D-1006 TO No.: WE23	Project Location:	Seamans Neck Road, Levittown, New York
Inspection Date:	3/22/2012	Inspector:	Don Conger, CH2M HILL
Report No:	045	Contractor:	AGVIO-CH2M HILL

SUBMITTAL DETAILS			
Submittal No.:	045 033000-13 Concrete Footer 14-Day Breaks		
Specification Section:	03 30 00	Reviewer Name:	Don Conger, CH2M HILL
Description:	Concrete Footer 14-Day Breaks	Page:	03 30 00 - 5
Submittal Type:	<input type="checkbox"/> Shop Drawing <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Information		
Approval:	<input type="checkbox"/> 1. Approved <input checked="" type="checkbox"/> 2. Approved as noted <input type="checkbox"/> 3. Partial Approval – Resubmit as Noted (resubmittal required) <input type="checkbox"/> 4. Revise and Resubmit (resubmittal required) <input type="checkbox"/> 5. Not subject to review		

SUBMITTAL LIST		
No.	Comment	Related Spec Paragraph/Drawing
001	Test results conform to the contract specification.	03 30 00, 1.3
002	Provide 28 day break results	03 30 00, 1.3



Doug Hoover



**TRANSMITTAL OF CONTRACTOR'S SUBMITTAL**  
(ATTACH TO EACH SUBMITTAL)

DATE: 03/30/2012

To:	NAVFAC MIDLANT Mr. Greg Pearman gregory.pearman@marines.usmc.mil	From:	Don Conger, PE, AGVIQ-CH2M HILL (Contractor) Don.Conger@ch2m.com
CC:	christopher.shukis@navy.mil Lora.Fly@navy.mil	CC:	Jim.Nicotri@ch2m.com smatney@tikigaq.com Amy.Wolff@ch2m.com

SUBMITTAL INFORMATION	
Submittal No.:	048 033000-14 Top Slab 14-day Breaks
<input checked="" type="checkbox"/> New Submittal	<input type="checkbox"/> Resubmittal
Project:	Interim Emergency Wellhead Treatment Aqua-NY Water Treatment Facility
Project No.:	N62470-08-D-1006, TO No.: WE23
Specification Section No.:	03 30 00
Date of Submittal:	3/29/2012

SUBMITTAL TYPE:		
<input type="checkbox"/> Shop Drawing	<input type="checkbox"/> Sample	<input checked="" type="checkbox"/> Informational
<input type="checkbox"/> Material Data	<input type="checkbox"/> Proposed Substitution	<input type="checkbox"/> Other

The following items are hereby submitted:

Number of Copies	Description of Item Submitted (Type, Size, Model Number, Etc.)	Spec. and Para. No.	Drawing or Brochure Number	Contains Variation to Contract	
				No	Yes
1	All Island Testing Associates – Concrete Top Slab 14-Day Cylinder Breaks	03 30 00, 1.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following information about the submission is hereby provided:

<b>Concrete Top Slab 7-Day Breaks</b>
The attached concrete top slab 14-day cylinder break testing results show that after 14 days, the concrete has cured to 85% of its design strength. The submittal is hereby submitted to the Government for your information, and approval is not required.

CONTRACTOR hereby certifies that (i) CONTRACTOR has complied with the requirements of Contract Documents in preparation, review, and submission of designated Submittal and (ii) the Submittal is complete and in accordance with the Contract Documents and requirements of laws and regulations and governing agencies.

By:   
CONTRACTOR (Authorized Signature)



PROJECT DATA			
Project Name:	Interim Emergency Wellhead Treatment Aqua-NY	Client:	Naval Facilities Engineering Command, Mid-Atlantic
Project No.:	N62470-08-D-1006 TO No.: WE23	Project Location:	Seamans Neck Road, Levittown, New York
Inspection Date:	3/30/2012	Inspector:	Don Conger, CH2M HILL
Report No:	048	Contractor:	AGVIQ-CH2M HILL

[illegible][illegible]

Bayshore NY 11706

Fax 631.273.2457

Respectfully,  
Amy K.

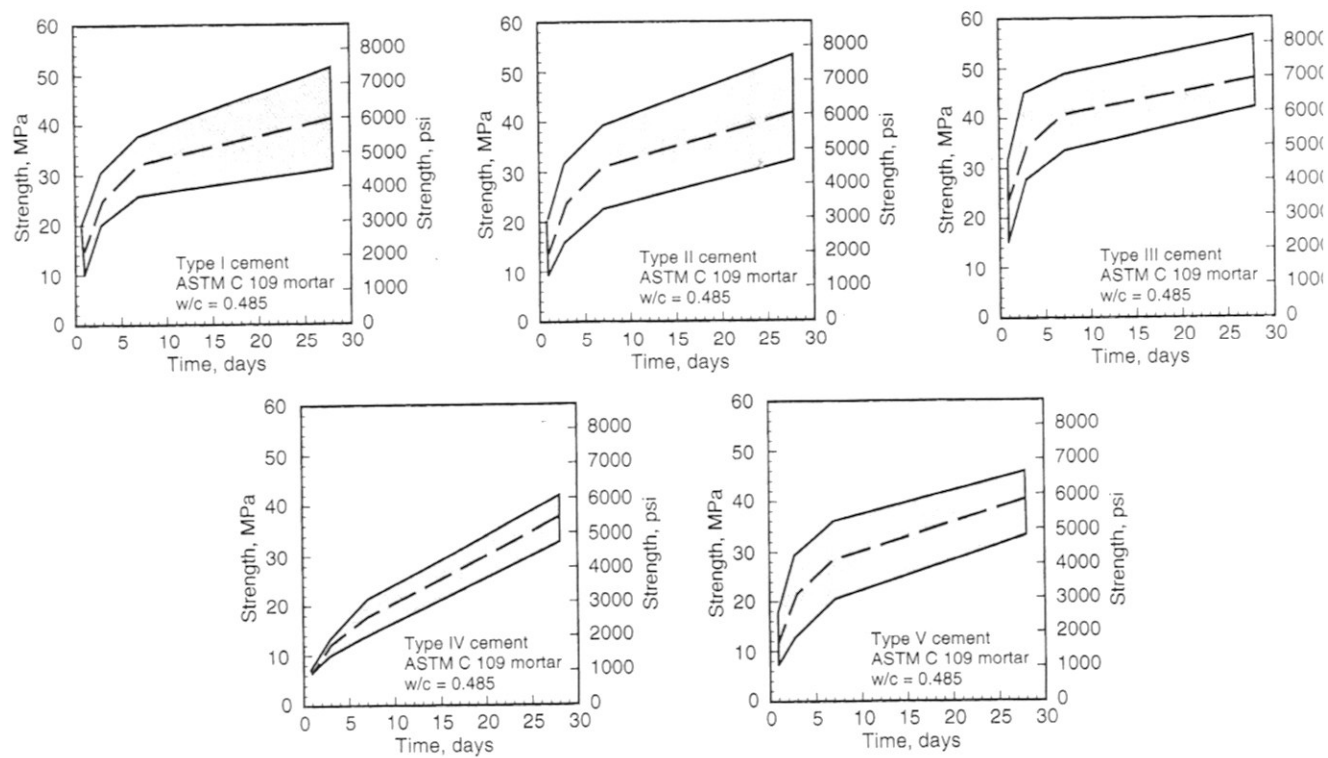


Fig. 2-43. Strength development of portland cement mortar cubes from combined statistics. The dashed line represents mean value and the shaded area the range of values (adapted from Gebhardt 1995).

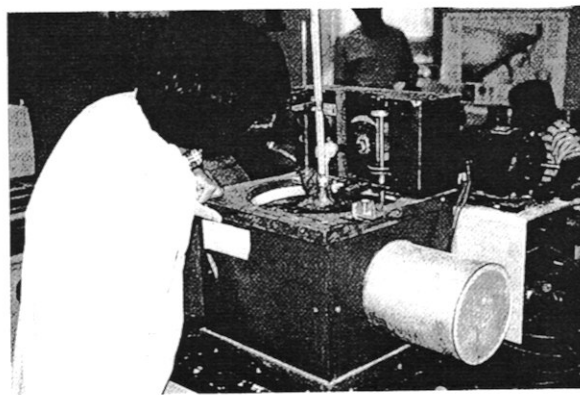


Fig. 2-44. Heat of hydration can be determined by (left) ASTM C 186 or by (right) a conduction calorimeter. (IMG11 IMG12448)

Table 2-8. ASTM C 186 Heat of Hydration for Selected Portland Cements from the 1990s, kJ/kg\*

	Type I cement		Type II cement		Type II moderate heat cement	Type III cement		Type IV cement		Type V cement
	7 day	28 day	7 day	28 day	7 day	7 day	28 day	7 day	28 day	7 day
No. of samples	15	7	16	7	4	2	2	3	1	6
Average	349	400	344	398	263	370	406	233	274	310
Maximum	372	444	371	424	283	372	414	251	—	341
Minimum	320	377	308	372	227	368	397	208	—	257
% of Type I (7 day)	100		99		75	106		67		89

\*This table is based on very limited data.  
1 cal/g = 4.184 kJ/kg. PCA (1997).



**TRANSMITTAL OF CONTRACTOR'S SUBMITTAL**  
(ATTACH TO EACH SUBMITTAL)

DATE: 05/11/2012

To:	NAVFAC MIDLANT Mr. Greg Pearman gregory.pearman@marines.usmc.mil	From:	Don Conger, PE, AGVIQ-CH2M HILL (Contractor) Don.Conger@ch2m.com
CC:	christopher.shukis@navy.mil Lora.Fly@navy.mil	CC:	Jim.Nicotri@ch2m.com smatney@tikigaq.com Amy.Wolff@ch2m.com

SUBMITTAL INFORMATION	
Submittal No.:	051 033000-15 Concrete Footer 28-Day Breaks
<input checked="" type="checkbox"/> New Submittal	<input type="checkbox"/> Resubmittal
Project:	Interim Emergency Wellhead Treatment Aqua-NY Water Treatment Facility
Project No.:	N62470-08-D-1006, TO No.: WE23
Specification Section No.:	03 30 00
Date of Submittal:	5/11/2012

SUBMITTAL TYPE:		
<input type="checkbox"/> Shop Drawing	<input type="checkbox"/> Sample	<input checked="" type="checkbox"/> Informational
<input type="checkbox"/> Material Data	<input type="checkbox"/> Proposed Substitution	<input type="checkbox"/> Other

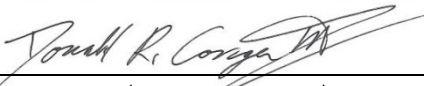
The following items are hereby submitted:

Number of Copies	Description of Item Submitted (Type, Size, Model Number, Etc.)	Spec. and Para. No.	Drawing or Brochure Number	Contains Variation to Contract	
				No	Yes
1	All Island Testing Associates – Concrete Footer 28-Day Cylinder Breaks	03 30 00, 1.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following information about the submission is hereby provided:

<b>Concrete Footer 28-Day Breaks</b>
The attached concrete footer 28-day cylinder break testing results show that after 28 days, the concrete has cured to 100% of its design strength. The submittal is hereby submitted to the Government for your information, and approval is not required.

CONTRACTOR hereby certifies that (i) CONTRACTOR has complied with the requirements of Contract Documents in preparation, review, and submission of designated Submittal and (ii) the Submittal is complete and in accordance with the Contract Documents and requirements of laws and regulations and governing agencies.

By:   
CONTRACTOR (Authorized Signature)



## Submittal Review Comments Checklist

PROJECT DATA			
Project Name:	Interim Emergency Wellhead Treatment Aqua-NY	Client:	Naval Facilities Engineering Command, Mid-Atlantic
Project No.:	N62470-08-D-1006 TO No.: WE23	Project Location:	Seamans Neck Road, Levittown, New York
Inspection Date:	5/11/2012	Inspector:	Don Conger, CH2M HILL
Report No:	051	Contractor:	AGVIO-CH2M HILL

SUBMITTAL DETAILS			
Submittal No.:	051 033000-15 Concrete Footer 28-Day Breaks		
Specification Section:	03 30 00	Reviewer Name:	Don Conger, CH2M HILL
Description:	Footer 28-Day Breaks	Page:	03 30 00 - 5
Submittal Type:	<input type="checkbox"/> Shop Drawing <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Information		
Approval:	<input checked="" type="checkbox"/> 1. Approved <input type="checkbox"/> 2. Approved as noted <input type="checkbox"/> 3. Partial Approval – Resubmit as Noted (resubmittal required) <input type="checkbox"/> 4. Revise and Resubmit (resubmittal required) <input type="checkbox"/> 5. Not subject to review		

SUBMITTAL LIST		
No.	Comment	Related Spec Paragraph/Drawing
001	Test results conform to the contract specification.	03 30 00, 1.3





**TRANSMITTAL OF CONTRACTOR'S SUBMITTAL**  
(ATTACH TO EACH SUBMITTAL)

DATE: 05/11/2012

To:	NAVFAC MIDLANT Mr. Greg Pearman gregory.pearman@marines.usmc.mil	From:	Don Conger, PE, AGVIQ-CH2M HILL (Contractor) Don.Conger@ch2m.com
CC:	christopher.shukis@navy.mil Lora.Fly@navy.mil	CC:	Jim.Nicotri@ch2m.com smatney@tikigaq.com Amy.Wolff@ch2m.com

SUBMITTAL INFORMATION	
Submittal No.:	052 033000-16 Concrete Pad 28-Day Breaks
<input checked="" type="checkbox"/> New Submittal	<input type="checkbox"/> Resubmittal
Project:	Interim Emergency Wellhead Treatment Aqua-NY Water Treatment Facility
Project No.:	N62470-08-D-1006, TO No.: WE23
Specification Section No.:	03 30 00
Date of Submittal:	5/11/2012

SUBMITTAL TYPE:		
<input type="checkbox"/> Shop Drawing	<input type="checkbox"/> Sample	<input checked="" type="checkbox"/> Informational
<input type="checkbox"/> Material Data	<input type="checkbox"/> Proposed Substitution	<input type="checkbox"/> Other

The following items are hereby submitted:

Number of Copies	Description of Item Submitted (Type, Size, Model Number, Etc.)	Spec. and Para. No.	Drawing or Brochure Number	Contains Variation to Contract	
				No	Yes
1	All Island Testing Associates – Concrete Pad 28-Day Cylinder Breaks	03 30 00, 1.3		<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following information about the submission is hereby provided:

Concrete Pad 28-Day Breaks
The attached concrete pad 28-day cylinder break testing results show that after 28 days, the concrete has cured to 100% of its design strength. The submittal is hereby submitted to the Government for your information, and approval is not required.

CONTRACTOR hereby certifies that (i) CONTRACTOR has complied with the requirements of Contract Documents in preparation, review, and submission of designated Submittal and (ii) the Submittal is complete and in accordance with the Contract Documents and requirements of laws and regulations and governing agencies.

By:   
CONTRACTOR (Authorized Signature)

## Submittal Review Comments Checklist

PROJECT DATA			
Project Name:	Interim Emergency Wellhead Treatment Aqua-NY	Client:	Naval Facilities Engineering Command, Mid-Atlantic
Project No.:	N62470-08-D-1006 TO No.: WE23	Project Location:	Seamans Neck Road, Levittown, New York
Inspection Date:	5/11/2012	Inspector:	Don Conger, CH2M HILL
Report No:	052	Contractor:	AGVIO-CH2M HILL

SUBMITTAL DETAILS			
Submittal No.:	052 033000-16 Concrete Pad 28-Day Breaks		
Specification Section:	03 30 00	Reviewer Name:	Don Conger, CH2M HILL
Description:	Pad 28-Day Breaks	Page:	03 30 00 - 5
Submittal Type:	<input type="checkbox"/> Shop Drawing <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Information		
Approval:	<input checked="" type="checkbox"/> 1. Approved <input type="checkbox"/> 2. Approved as noted <input type="checkbox"/> 3. Partial Approval – Resubmit as Noted (resubmittal required) <input type="checkbox"/> 4. Revise and Resubmit (resubmittal required) <input type="checkbox"/> 5. Not subject to review		

SUBMITTAL LIST		
No.	Comment	Related Spec Paragraph/Drawing
001	Test results conform to the contract specification.	03 30 00, 1.3

# ALL ISLAND TESTING ASSOC. INC.

75B Pine Aire Drive

Bayshore NY 11706

NYC DOB Lab #84  
Office 631.273.5717  
Fax 631.273.2457

<b>Client:</b> P Ross Industries	<b>200 Long Island Avenue</b>	<b>Wyandanch, NY 11798</b>	<b>Date Cast:</b> March 14, 2012
<b>Project:</b> 670 Seamans Neck Road			<b>Lab p/u:</b> 3/15/12
<b>Contractor:</b>			<b>Concrete Supplier:</b> Cross
<b>Class Concrete:</b> 4500			<b>Yards Inspected:</b> 19
<b># cyls:</b> 5			

<b>CURING</b>	<b>INITIAL</b>	<b>MAX/MIN TEMP</b>	<b>Plant Man:</b>
	<b>FINAL</b>		<b>Time:</b>
<b>FIELD</b>	<b>LOCATION</b>	<b>PROTECTION</b>	<b>Field Man:</b> J Filiberto
<b>WEATHER:</b>			<b>Time:</b> 8-4:30
			<b>Lab Man:</b> DM Quick
			<b>Director:</b> K Dietrich

## GRADATION

Passing	1.5"	1"	3/4"	1/2"	3/8"	1/4"	#4	#8	#16	#30	#50	#100	F.M	Moisture
Fine														
Course														

**Location of Concrete Placement:** Generator Pad

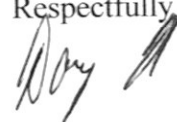
**NOTES:** 1) \* - Marginal; There is a Possibility that the Cylinders will Not Reach Supplied Strength.  
2) The 14 Day Break indicates that the Cylinders will Reach Supplied Strength.

## Reinforcing Steel Inspection:

Cyl I.D 6x12 Area 28.27	Slump C-143	Air Content C-231	Temp C-1064	Lbs/ft <sup>3</sup> C-138 C-173	Total Load (Lbs)	7 Days PSI C-39	14 Days PSI C-39	28 Days PSI C-39
A	5.5	6.0	77°		86,500	3059*		
C					108,000		3820	
D					127,470			4509
E					127,650			4515
F					127,200			4499

C.C

Respectfully Submitted,





**TRANSMITTAL OF CONTRACTOR'S SUBMITTAL**  
(ATTACH TO EACH SUBMITTAL)

DATE: 05/11/2012

To:	NAVFAC MIDLANT Mr. Greg Pearman gregory.pearman@marines.usmc.mil	From:	Don Conger, PE, AGVIQ-CH2M HILL (Contractor) Don.Conger@ch2m.com
CC:	christopher.shukis@navy.mil Lora.Fly@navy.mil	CC:	Jim.Nicotri@ch2m.com smatney@tikigaq.com Amy.Wolff@ch2m.com

SUBMITTAL INFORMATION	
Submittal No.:	2012-05-11 055 331100-3 Lab Testing Results and Lab Certification
<input checked="" type="checkbox"/> New Submittal	<input type="checkbox"/> Resubmittal
Project:	Interim Emergency Wellhead Treatment Aqua-NY Water Treatment Facility
Project No.:	N62470-08-D-1006, TO No.: WE23
Specification Section No.:	33 11 00
Date of Submittal:	5/11/2012

SUBMITTAL TYPE:		
<input type="checkbox"/> Shop Drawing	<input type="checkbox"/> Sample	<input checked="" type="checkbox"/> Informational
<input type="checkbox"/> Material Data	<input type="checkbox"/> Proposed Substitution	<input type="checkbox"/> Other

The following items are hereby submitted:

Number of Copies	Description of Item Submitted (Type, Size, Model Number, Etc.)	Spec. and Para. No.	Drawing or Brochure Number	Contains Variation to Contract	
				No	Yes
1	EcoTest Laboratories Inc. Lab Certification and GAC Pipe and System Testing Results	33 11 00, 1.4		<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following information about the submission is hereby provided:

Lab Testing Results
The attached laboratory analysis testing results show that the system has been properly disinfected, and it is meeting the performance requirements of the specifications. EcoTest Laboratories is a certified lab in the State of New York. The submittal is hereby submitted to the Government for your information, and approval is not required.

CONTRACTOR hereby certifies that (i) CONTRACTOR has complied with the requirements of Contract Documents in preparation, review, and submission of designated Submittal and (ii) the Submittal is complete and in accordance with the Contract Documents and requirements of laws and regulations and governing agencies.

By:   
CONTRACTOR (Authorized Signature)

## Submittal Review Comments Checklist

PROJECT DATA			
Project Name:	Interim Emergency Wellhead Treatment Aqua-NY	Client:	Naval Facilities Engineering Command, Mid-Atlantic
Project No.:	N62470-08-D-1006 TO No.: WE23	Project Location:	Seamans Neck Road, Levittown, New York
Inspection Date:	5/11/2012	Inspector:	Don Conger, CH2M HILL
Report No:	055	Contractor:	AGVIO-CH2M HILL

SUBMITTAL DETAILS			
Submittal No.:	2012-05-11 055 331100-3 Lab Testing Results and Lab Certification		
Specification Section:	33 11 00	Reviewer Name:	Don Conger, CH2M HILL
Description:	Lab Testing Results	Page:	33 11 00 - 2
Submittal Type:	<input type="checkbox"/> Shop Drawing <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Information		
Approval:	<input checked="" type="checkbox"/> 1. Approved <input type="checkbox"/> 2. Approved as noted <input type="checkbox"/> 3. Partial Approval – Resubmit as Noted (resubmittal required) <input type="checkbox"/> 4. Revise and Resubmit (resubmittal required) <input type="checkbox"/> 5. Not subject to review		

SUBMITTAL LIST		
No.	Comment	Related Spec Paragraph/Drawing
001	Test results meet all specification requirements.	33 11 00 – 1.4



NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



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377 SHEFFIELD AVENUE  
WEST BABYLON, NY 11704

NY Lab Id No: 10320

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**ENVIRONMENTAL ANALYSES POTABLE WATER**  
All approved analytes are listed below:

**D. W. Methylcarbamate Pesticides**

3-Hydroxy Carbofuran	EPA 531.1
Aldicarb	EPA 531.1
Aldicarb Sulfone	EPA 531.1
Aldicarb Sulfoxide	EPA 531.1
Carbaryl	EPA 531.1
Carbofuran	EPA 531.1
Methomyl	EPA 531.1
Oxamyl	EPA 531.1

**Disinfection By-products**

Bromochloroacetic acid	EPA 552.2
	SM 19-21 6251B (94)
Dibromoacetic acid	EPA 552.2
	SM 19-21 6251B (94)
Dichloroacetic acid	EPA 552.2
	SM 19-21 6251B (94)
Monobromoacetic acid	EPA 552.2
	SM 19-21 6251B (94)
Monochloroacetic acid	EPA 552.2
	SM 19-21 6251B (94)
Trichloroacetic acid	EPA 552.2
	SM 19-21 6251B (94)

**Drinking Water Bacteriology**

Coliform, Total / E. coli (Qualitative)	SM 18-21 9221B(99)/40CFR141.21(F)6i
	SM 18-21 9221D/40 CFR 141.21(F)6i
	SM 18-21 9223B (97) (Colilert)

**Drinking Water Bacteriology**

Standard Plate Count	SimPlate
	SM 18-21 9215B

**Drinking Water Chlorinated Acids**

2,4,5-TP (Silvex)	EPA 515.1
2,4-D	EPA 515.1
Dalapon	EPA 515.1
Dicamba	EPA 515.1
Dinoseb	EPA 515.1
Pentachlorophenol	EPA 515.1
Picloram	EPA 515.1

**Drinking Water Metals I**

Arsenic, Total	EPA 200.5
Barium, Total	EPA 200.5
	EPA 200.7 Rev. 4.4
Cadmium, Total	EPA 200.5
	EPA 200.7 Rev. 4.4
Chromium, Total	EPA 200.5
	EPA 200.7 Rev. 4.4
Copper, Total	EPA 200.5
	EPA 200.7 Rev. 4.4
Iron, Total	EPA 200.5
	EPA 200.7 Rev. 4.4
Lead, Total	EPA 200.5
Manganese, Total	EPA 200.5
	EPA 200.7 Rev. 4.4

Serial No.: 46033

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ENVIRONMENTAL ANALYSES POTABLE WATER  
All approved analytes are listed below:*

**Drinking Water Metals I**

Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 200.5
Silver, Total	EPA 200.5
	EPA 200.7 Rev. 4.4
Zinc, Total	EPA 200.5
	EPA 200.7 Rev. 4.4

**Drinking Water Metals II**

Aluminum, Total	EPA 200.5
	EPA 200.7 Rev. 4.4
Antimony, Total	EPA 200.5
Beryllium, Total	EPA 200.5
	EPA 200.7 Rev. 4.4
Molybdenum, Total	EPA 200.7 Rev. 4.4
Nickel, Total	EPA 200.5
	EPA 200.7 Rev. 4.4
Vanadium, Total	EPA 200.7 Rev. 4.4

**Drinking Water Metals III**

Boron, Total	EPA 200.7 Rev. 4.4
Calcium, Total	EPA 200.5
	EPA 200.7 Rev. 4.4
Magnesium, Total	EPA 200.5
	EPA 200.7 Rev. 4.4
Potassium, Total	EPA 200.7 Rev. 4.4
Sodium, Total	EPA 200.5
	EPA 200.7 Rev. 4.4

**Drinking Water Miscellaneous**

Benzo(a)pyrene	EPA 525.2
Bis(2-ethylhexyl) phthalate	EPA 525.2
Di (2-ethylhexyl) adipate	EPA 525.2
Glyphosate	EPA 547
Hexachlorobenzene	EPA 508
Hexachlorocyclopentadiene	EPA 525.2
Odor	EPA 140.1

**Drinking Water Non-Metals**

Alkalinity	SM 18-21 2320B (97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	SM 18-21 4500-Cl- B (97)
Color	SM 18-21 2120B (01)
Corrosivity	SM 18-19 2330
Cyanide	EPA 335.4 Rev. 1.0
Fluoride, Total	SM 18-21 4500-F C (97)
Nitrate (as N)	EPA 353.2 Rev. 2.0
Nitrite (as N)	SM 18-21 4500-NO2 B (00)
Orthophosphate (as P)	SM 18-21 4500-P E
Silica, Dissolved	EPA 200.7 Rev. 4.4
Solids, Total Dissolved	SM 18-21 2540C (97)
Specific Conductance	SM 18-21 2510B (97)
Sulfate (as SO4)	ASTM D516-90 02 & 07

**Drinking Water Organohalide Pesticides**

Alachlor	EPA 507
Aldrin	EPA 508

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**Drinking Water Organohalide Pesticides**

Atrazine	EPA 507
Butachlor	EPA 507
Chlordane Total	EPA 508
Dieldrin	EPA 508
Endrin	EPA 508
Heptachlor	EPA 508
Heptachlor epoxide	EPA 508
Lindane	EPA 508
Methoxychlor	EPA 508
Metolachlor	EPA 507
Metribuzin	EPA 507
Propachlor	EPA 508
Simazine	EPA 507
Toxaphene	EPA 508

**Drinking Water Trihalomethanes**

Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2

**Fuel Additives**

Methyl tert-butyl ether	EPA 524.2
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**Microextractibles**

1,2-Dibromo-3-chloropropane	EPA 504.1
1,2-Dibromoethane	EPA 504.1

**Polychlorinated Biphenyls**

PCB Screen	EPA 508
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**Volatile Aromatics**

1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2

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All approved analytes are listed below:*

**Volatile Halocarbons**

1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2
2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2

**Volatile Halocarbons**

Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

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**Acrylates**

Acrolein (Propenal)	EPA 624
	EPA 8260B
Acrylonitrile	EPA 624
	EPA 8260B
Ethyl methacrylate	EPA 8260B
Methyl acrylonitrile	EPA 8260B
Methyl methacrylate	EPA 8260B

**Amines**

1,4-Phenylenediamine	EPA 8270C
1-Naphthylamine	EPA 8270C
2-Naphthylamine	EPA 8270C
2-Nitroaniline	EPA 8270C
	EPA 8270D
3-Nitroaniline	EPA 8270C
	EPA 8270D
4-Chloroaniline	EPA 8270C
	EPA 8270D
4-Nitroaniline	EPA 8270C
	EPA 8270D
5-Nitro-o-toluidine	EPA 8270C
Aniline	EPA 8270C
	EPA 8270D
Carbazole	EPA 8270C
	EPA 8270D
Diphenylamine	EPA 8270C

**Amines**

Methapyrilene	EPA 8270C
Pronamide	EPA 8270C
Propionitrile	EPA 8260B
Pyridine	EPA 8260B
	EPA 8270C
	EPA 8270D

**Bacteriology**

Coliform, Fecal	SM 18-21 9221E (99)
Coliform, Total	SM 18-21 9221B (99)
E. coli (Enumeration)	Colilert
	SM 18-20 9221F
Enterococci	Enterolert
Standard Plate Count	SimPlate
	SM 18-21 9215B

**Benzidines**

3,3'-Dichlorobenzidine	EPA 625
	EPA 8270D
3,3'-Dimethylbenzidine	EPA 8270C
Benzidine	EPA 625

**Carbamate Pesticides**

Aldicarb	EPA 8318
Aldicarb Sulfone	EPA 8318
Carbofuran	EPA 8318

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**Chlorinated Hydrocarbon Pesticides**

4,4'-DDD	EPA 608
	EPA 8081A
4,4'-DDE	EPA 608
	EPA 8081A
4,4'-DDT	EPA 608
	EPA 8081A
Aldrin	EPA 608
	EPA 8081A
alpha-BHC	EPA 608
	EPA 8081A
alpha-Chlordane	EPA 8081A
beta-BHC	EPA 608
	EPA 8081A
Chlordane Total	EPA 608
	EPA 8081A
delta-BHC	EPA 608
	EPA 8081A
Dieldrin	EPA 608
	EPA 8081A
Endosulfan I	EPA 608
	EPA 8081A
Endosulfan II	EPA 608
	EPA 8081A
Endosulfan sulfate	EPA 608
	EPA 8081A

**Chlorinated Hydrocarbon Pesticides**

Endrin	EPA 608
	EPA 8081A
Endrin aldehyde	EPA 608
	EPA 8081A
Endrin Ketone	EPA 8081A
gamma-Chlordane	EPA 8081A
Heptachlor	EPA 608
	EPA 8081A
Heptachlor epoxide	EPA 608
	EPA 8081A
Lindane	EPA 608
	EPA 8081A
Methoxychlor	EPA 608
	EPA 8081A
Mirex	SM 18-20 6630B
Toxaphene	EPA 608
	EPA 8081A

**Chlorinated Hydrocarbons**

1,2,4,5-Tetrachlorobenzene	EPA 8270C
1,2,4-Trichlorobenzene	EPA 625
	EPA 8270C
	EPA 8270D
1-Chloronaphthalene	EPA 8270C
2-Chloronaphthalene	EPA 625
	EPA 8270C

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**Chlorinated Hydrocarbons**

2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 625
	EPA 8270C
	EPA 8270D
Hexachlorobutadiene	EPA 625
	EPA 8270C
	EPA 8270D
Hexachlorocyclopentadiene	EPA 625
	EPA 8270C
	EPA 8270D
Hexachloroethane	EPA 625
	EPA 8270C
	EPA 8270D
Hexachloropropene	EPA 8270C
Pentachlorobenzene	EPA 8270C

**Chlorophenoxy Acid Pesticides**

2,4,5-T	EPA 1978 p.115
	EPA 8151A
2,4,5-TP (Silvex)	EPA 1978 p.115
	EPA 8151A
	SM 18-20 6640B
2,4-D	EPA 1978 p.115
	EPA 8151A
	SM 18-20 6640B
Dalapon	EPA 8151A

**Chlorophenoxy Acid Pesticides**

Dicamba	EPA 1978 p.115
	EPA 8151A
Dinoseb	EPA 8151A

**Demand**

Biochemical Oxygen Demand	SM 18-21 5210B (01)
Carbonaceous BOD	SM 18-21 5210B (01)
Chemical Oxygen Demand	EPA 410.4 Rev. 2.0

**Fuel Oxygenates**

Di-isopropyl ether	EPA 8015 B
	EPA 8260B
Ethanol	EPA 8015 B
	EPA 8260B
Methyl tert-butyl ether	EPA 8260B
tert-amyl alcohol	EPA 8015 B
	EPA 8260B
tert-amyl methyl ether (TAME)	EPA 8015 B
	EPA 8260B
tert-butyl alcohol	EPA 8015 B
	EPA 8260B
tert-butyl ethyl ether (ETBE)	EPA 8015 B
	EPA 8260B

**Haloethers**

4-Bromophenylphenyl ether	EPA 625
	EPA 8270C

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**Haloethers**

4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 625
	EPA 8270C
	EPA 8270D
Bis (2-chloroisopropyl) ether	EPA 625
	EPA 8270C
	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 625
	EPA 8270C
	EPA 8270D
Bis(2-chloroethyl)ether	EPA 625
	EPA 8270C
	EPA 8270D

**Nitroaromatics and Isophorone**

2,4-Dinitrotoluene	EPA 625
	EPA 8270C
	EPA 8270D
2,6-Dinitrotoluene	EPA 625
	EPA 8270C
	EPA 8270D
Isophorone	EPA 625
	EPA 8270C
	EPA 8270D
Nitrobenzene	EPA 625
	EPA 8270C
	EPA 8270D

**Mineral**

Acidity	SM 18-21 2310B.4a (97)
Alkalinity	SM 18-21 2320B (97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	SM 18-21 4500-Cl- B (97)
Fluoride, Total	SM 18-21 4500-F C (97)
Hardness, Total	EPA 200.7 Rev. 4.4
Sulfate (as SO <sub>4</sub> )	ASTM D516-90 02 & 07

**Nitrosoamines**

N-Nitrosodiethylamine	EPA 8270C
N-Nitrosodimethylamine	EPA 625
	EPA 8270C
	EPA 8270D
N-Nitrosodi-n-butylamine	EPA 8270C
N-Nitrosodi-n-propylamine	EPA 625
	EPA 8270C
	EPA 8270D
N-Nitrosodiphenylamine	EPA 625
	EPA 8270C
	EPA 8270D
N-nitrosopiperidine	EPA 8270C

**Nitroaromatics and Isophorone**

1,3,5-Trinitrobenzene	EPA 8270C
1,3-Dinitrobenzene	EPA 8270C
1,4-Naphthoquinone	EPA 8270C

Serial No.: 46034

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**NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER**



Expires 12:01 AM April 01, 2013  
Issued April 1, 2012

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

**MR. THOMAS TREUTLEIN  
ECOTEST LABORATORIES INC  
377 SHEFFIELD AVENUE  
WEST BABYLON, NY 11704**

**NY Lab Id No: 10320**

*is hereby APPROVED as an Environmental Laboratory in conformance with the  
National Environmental Laboratory Accreditation Conference Standards (2003) for the category  
**ENVIRONMENTAL ANALYSES NON POTABLE WATER**  
All approved analytes are listed below:*

**Nitrosoamines**

N-Nitrosopyrrolidine EPA 8270C

**Nutrient**

Ammonia (as N) SM 19-21 4500 NH3-C (97)  
SM 19-21 4500-NH3 D or E (97)  
Kjeldahl Nitrogen, Total SM 19-21 4500 NH3-C (97)  
Nitrate (as N) EPA 353.2 Rev. 2.0  
SM 18-21 4500-NO3 F (00)  
Nitrite (as N) SM 18-21 4500-NO2 B (00)  
Orthophosphate (as P) EPA 365.3 Rev. 1978  
Phosphorus, Total EPA 365.3 Rev. 1978

**Phthalate Esters**

Benzyl butyl phthalate EPA 8270C  
EPA 8270D  
Bis(2-ethylhexyl) phthalate EPA 625  
EPA 8270C  
EPA 8270D  
Diethyl phthalate EPA 625  
EPA 8270C  
EPA 8270D  
Dimethyl phthalate EPA 625  
EPA 8270C  
EPA 8270D  
Di-n-butyl phthalate EPA 625  
EPA 8270C  
EPA 8270D  
Di-n-octyl phthalate EPA 625  
EPA 8270C  
EPA 8270D

**Organophosphate Pesticides**

Azinphos methyl EPA 8270C  
Demeton-O EPA 8270C  
Demeton-S EPA 8270C  
Diazinon EPA 8270C  
Dimethoate EPA 8270C  
Disulfoton EPA 8270C  
Famphur EPA 8270C  
Malathion EPA 8270C  
Parathion ethyl EPA 8270C  
Parathion methyl EPA 8270C  
Phorate EPA 8270C

**Polychlorinated Biphenyls**

PCB-1016 EPA 608  
EPA 8082  
EPA 8270C  
PCB-1221 EPA 608  
EPA 8082  
EPA 8270C  
PCB-1232 EPA 608

**Phthalate Esters**

Benzyl butyl phthalate EPA 625

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**Polychlorinated Biphenyls**

PCB-1232	EPA 8082
	EPA 8270C
PCB-1242	EPA 608
	EPA 8082
	EPA 8270C
PCB-1248	EPA 608
	EPA 8082
	EPA 8270C
PCB-1254	EPA 608
	EPA 8082
	EPA 8270C
PCB-1260	EPA 608
	EPA 8082
	EPA 8270C

**Polynuclear Aromatics**

3-Methylcholanthrene	EPA 8270C
7,12-Dimethylbenzyl (a) anthracene	EPA 8270C
Acenaphthene	EPA 625
	EPA 8270C
	EPA 8270D
Acenaphthylene	EPA 625
	EPA 8270C
	EPA 8270D
Anthracene	EPA 625
	EPA 8270C

**Polynuclear Aromatics**

Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 625
	EPA 8270C
	EPA 8270D
Benzo(a)pyrene	EPA 625
	EPA 8270C
	EPA 8270D
Benzo(b)fluoranthene	EPA 625
	EPA 8270C
	EPA 8270D
Benzo(ghi)perylene	EPA 625
	EPA 8270C
	EPA 8270D
Benzo(k)fluoranthene	EPA 625
	EPA 8270C
	EPA 8270D
Chrysene	EPA 625
	EPA 8270C
	EPA 8270D
Dibenzo(a,h)anthracene	EPA 625
	EPA 8270C
	EPA 8270D
Fluoranthene	EPA 625
	EPA 8270C
	EPA 8270D

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**Polynuclear Aromatics**

Fluorene	EPA 625
	EPA 8270C
	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 625
	EPA 8270C
	EPA 8270D
Naphthalene	EPA 625
	EPA 8270C
	EPA 8270D
Phenanthrene	EPA 625
	EPA 8270C
	EPA 8270D
Pyrene	EPA 625
	EPA 8270C
	EPA 8270D

**Priority Pollutant Phenols**

2,3,4,6 Tetrachlorophenol	EPA 8270C
2,4,5-Trichlorophenol	EPA 625
	EPA 8270C
	EPA 8270D
2,4,6-Trichlorophenol	EPA 625
	EPA 8270C
	EPA 8270D
2,4-Dichlorophenol	EPA 625
	EPA 8270C

**Priority Pollutant Phenols**

2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 625
	EPA 8270C
	EPA 8270D
2,4-Dinitrophenol	EPA 625
	EPA 8270C
	EPA 8270D
2,6-Dichlorophenol	EPA 8270C
2-Chlorophenol	EPA 625
	EPA 8270C
	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 625
	EPA 8270C
	EPA 8270D
2-Methylphenol	EPA 8270C
	EPA 8270D
2-Nitrophenol	EPA 625
	EPA 8270C
	EPA 8270D
3-Methylphenol	EPA 8270C
4-Chloro-3-methylphenol	EPA 625
	EPA 8270C
	EPA 8270D
4-Methylphenol	EPA 8270C
	EPA 8270D

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**Priority Pollutant Phenols**

4-Nitrophenol	EPA 625
	EPA 8270C
	EPA 8270D
Cresols, Total	EPA 8270C
Pentachlorophenol	EPA 625
	EPA 8270C
	EPA 8270D
Phenol	EPA 625
	EPA 8270C
	EPA 8270D

**Residue**

Settleable Solids	SM 18-21 2540 F (97)
Solids, Total	SM 18-21 2540B (97)
Solids, Total Dissolved	SM 18-21 2540C (97)
Solids, Total Suspended	SM 18-21 2540D (97)

**Semi-Volatile Organics**

1,2-Dichlorobenzene, Semi-volatile	EPA 8270C
	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270C
	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270C
	EPA 8270D
2-Methylnaphthalene	EPA 8270C
	EPA 8270D
4-Amino biphenyl	EPA 8270C

**Semi-Volatile Organics**

Acetophenone	EPA 8270C
Benzoic Acid	EPA 8270C
	EPA 8270D
Benzyl alcohol	EPA 8270C
	EPA 8270D
Dibenzofuran	EPA 8270C
	EPA 8270D
Ethyl methanesulfonate	EPA 8270C
Isosafrole	EPA 8270C
Methyl methanesulfonate	EPA 8270C
O,O,O-Triethyl phosphorothioate	EPA 8270C
p-Dimethylaminoazobenzene	EPA 8270C
Phenacetin	EPA 8270C
Safrole	EPA 8270C

**Volatile Aromatics**

1,2-Dichlorobenzene	EPA 624
	EPA 8260B
1,3-Dichlorobenzene	EPA 624
	EPA 8260B
1,4-Dichlorobenzene	EPA 624
	EPA 8260B
Benzene	EPA 624
	EPA 8260B
Chlorobenzene	EPA 624
	EPA 8260B

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**Volatile Aromatics**

Ethyl benzene	EPA 624
	EPA 8260B
Styrene	EPA 8260B
Toluene	EPA 624
	EPA 8260B
Total Xylenes	EPA 624
	EPA 8260B

**Volatile Halocarbons**

1,1,1,2-Tetrachloroethane	EPA 8260B
1,1,1-Trichloroethane	EPA 624
	EPA 8260B
1,1,2,2-Tetrachloroethane	EPA 624
	EPA 8260B
1,1,2-Trichloroethane	EPA 624
	EPA 8260B
1,1-Dichloroethane	EPA 624
	EPA 8260B
1,1-Dichloroethene	EPA 624
	EPA 8260B
1,1-Dichloropropene	EPA 8260B
1,2,3-Trichloropropene	EPA 8260B
1,2-Dibromo-3-chloropropene	EPA 8011
1,2-Dibromoethane	EPA 8011
1,2-Dichloroethane	EPA 624
	EPA 8260B

**Volatile Halocarbons**

1,2-Dichloropropane	EPA 624
	EPA 8260B
1,3-Dichloropropane	EPA 8260B
2,2-Dichloropropane	EPA 8260B
2-Chloro-1,3-butadiene (Chloroprene)	EPA 8260B
2-Chloroethylvinyl ether	EPA 8260B
3-Chloropropene (Allyl chloride)	EPA 8260B
Bromodichloromethane	EPA 624
	EPA 8260B
Bromoform	EPA 624
	EPA 8260B
Bromomethane	EPA 624
	EPA 8260B
Carbon tetrachloride	EPA 624
	EPA 8260B
Chloroethane	EPA 624
	EPA 8260B
Chloroform	EPA 624
	EPA 8260B
Chloromethane	EPA 624
	EPA 8260B
cis-1,2-Dichloroethene	EPA 8260B
cis-1,3-Dichloropropene	EPA 624
	EPA 8260B
cis-1,4-Dichloro-2-butene	EPA 8260B

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ENVIRONMENTAL ANALYSES NON POTABLE WATER  
All approved analytes are listed below:*

**Volatile Halocarbons**

Dibromochloromethane	EPA 624
	EPA 8260B
Dibromomethane	EPA 8260B
Dichlorodifluoromethane	EPA 8260B
Methyl iodide	EPA 8260B
Methylene chloride	EPA 624
	EPA 8260B
Tetrachloroethene	EPA 624
	EPA 8260B
trans-1,2-Dichloroethene	EPA 624
	EPA 8260B
trans-1,3-Dichloropropene	EPA 624
	EPA 8260B
trans-1,4-Dichloro-2-butene	EPA 8260B
Trichloroethene	EPA 624
	EPA 8260B
Trichlorofluoromethane	EPA 624
	EPA 8260B
Vinyl chloride	EPA 624
	EPA 8260B

**Volatiles Organics**

1,4-Dioxane	EPA 8260B
2-Butanone (Methylethyl ketone)	EPA 8260B
2-Hexanone	EPA 8260B
4-Methyl-2-Pentanone	EPA 8260B

**Volatiles Organics**

Acetone	EPA 8260B
Acetonitrile	EPA 8260B
Carbon Disulfide	EPA 8260B
Isobutyl alcohol	EPA 8260B
o-Toluidine	EPA 8260B
Vinyl acetate	EPA 8260B

**Wastewater Metals I**

Barium, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Calcium, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Iron, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Lead, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Magnesium, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Manganese, Total	EPA 200.7 Rev. 4.4
	EPA 6010B

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**Wastewater Metals I**

Nickel, Total	EPA 200.7 Rev. 4.4 EPA 6010B
Potassium, Total	EPA 200.7 Rev. 4.4 EPA 6010B
Silver, Total	EPA 200.7 Rev. 4.4 EPA 6010B
Sodium, Total	EPA 200.7 Rev. 4.4 EPA 6010B
Strontium, Total	EPA 200.7 Rev. 4.4 EPA 6010B

**Wastewater Metals II**

Aluminum, Total	EPA 200.7 Rev. 4.4 EPA 6010B
Antimony, Total	EPA 200.7 Rev. 4.4 EPA 6010B
Arsenic, Total	EPA 200.7 Rev. 4.4 EPA 6010B
Beryllium, Total	EPA 200.7 Rev. 4.4 EPA 6010B
Chromium VI	EPA 7196A SM 18-19 3500-Cr D
Mercury, Total	EPA 245.1 Rev. 3.0 EPA 245.2 Rev. 1974 EPA 7470A
Selenium, Total	EPA 200.7 Rev. 4.4

**Wastewater Metals II**

Selenium, Total	EPA 6010B
Vanadium, Total	EPA 200.7 Rev. 4.4 EPA 6010B
Zinc, Total	EPA 200.7 Rev. 4.4 EPA 6010B

**Wastewater Metals III**

Cobalt, Total	EPA 200.7 Rev. 4.4 EPA 6010B
Molybdenum, Total	EPA 200.7 Rev. 4.4 EPA 6010B
Palladium, Total	EPA 255.2
Thallium, Total	EPA 200.7 Rev. 4.4
Tin, Total	EPA 200.7 Rev. 4.4 EPA 6010B
Titanium, Total	EPA 200.7 Rev. 4.4 EPA 6010B

**Wastewater Miscellaneous**

Boron, Total	EPA 200.7 Rev. 4.4 EPA 6010B
Color	SM 18-21 2120B (01)
Cyanide, Total	EPA 335.4 Rev. 1.0 EPA 9012A
Oil & Grease Total Recoverable (HEM)	EPA 1664A EPA 9070 (Solvent:Hexane)
Organic Carbon, Total	SM 18-21 5310C (00)

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**Wastewater Miscellaneous**

Phenols	EPA 420.1 Rev. 1978
Silica, Dissolved	EPA 200.7 Rev. 4.4
	EPA 6010B
Specific Conductance	EPA 120.1 Rev. 1982
	SM 18-21 2510B (97)
Sulfide (as S)	SM 18-21 4500-S D (00)
Surfactant (MBAS)	SM 18-21 5540C (00)
Total Petroleum Hydrocarbons	EPA 1664A
Turbidity	SM 18-21 2130 B (01)

**Sample Preparation Methods**

EPA 200.2  
EPA 3005A  
EPA 3010A  
EPA 3020A  
EPA 3510C  
EPA 5030B  
EPA 9030B  
SM 18-21 4500-N Org B or C (97)  
SM 18-21 4500-NH3 B (97)

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved analytes are listed below:*

**Acrylates**

Acrolein (Propenal)	EPA 8260B
Acrylonitrile	EPA 8260B
Ethyl methacrylate	EPA 8260B
Methyl acrylonitrile	EPA 8260B
Methyl methacrylate	EPA 8260B

**Amines**

1,2-Diphenylhydrazine	EPA 8270C
1,4-Phenylenediamine	EPA 8270C
1-Naphthylamine	EPA 8270C
2-Naphthylamine	EPA 8270C
2-Nitroaniline	EPA 8270C
3-Nitroaniline	EPA 8270C
4-Chloroaniline	EPA 8270C
4-Nitroaniline	EPA 8270C
5-Nitro-o-toluidine	EPA 8270C
Aniline	EPA 8270C
Carbazole	EPA 8270C
Diphenylamine	EPA 8270C
Methapyriline	EPA 8270C
Pronamide	EPA 8270C

**Benzidines**

3,3'-Dichlorobenzidine	EPA 8270C
3,3'-Dimethylbenzidine	EPA 8270C
Benzidine	EPA 8270C

**Carbamate Pesticides**

Aldicarb	EPA 8318
Aldicarb Sulfone	EPA 8318
Carbofuran	EPA 8318

**Characteristic Testing**

Ignitability	EPA 1010
Reactivity	SW-846 Ch7 Sec. 7.3

**Chlorinated Hydrocarbon Pesticides**

4,4'-DDD	EPA 8081A
	EPA 8081B
4,4'-DDE	EPA 8081A
	EPA 8081B
4,4'-DDT	EPA 8081A
	EPA 8081B
Aldrin	EPA 8081A
	EPA 8081B
alpha-BHC	EPA 8081A
	EPA 8081B
alpha-Chlordane	EPA 8081A
	EPA 8081B
beta-BHC	EPA 8081A
	EPA 8081B
Chlordane Total	EPA 8081A
	EPA 8081B
Chlorobenzilate	EPA 8081B
	EPA 8270C

Serial No.: 46035

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**Chlorinated Hydrocarbon Pesticides**

delta-BHC	EPA 8081A
	EPA 8081B
Diallate	EPA 8270C
Dieldrin	EPA 8081A
	EPA 8081B
Endosulfan I	EPA 8081A
	EPA 8081B
Endosulfan II	EPA 8081A
	EPA 8081B
Endosulfan sulfate	EPA 8081A
	EPA 8081B
Endrin	EPA 8081A
	EPA 8081B
Endrin aldehyde	EPA 8081A
	EPA 8081B
Endrin Ketone	EPA 8081A
	EPA 8081B
gamma-Chlordane	EPA 8081A
	EPA 8081B
Heptachlor	EPA 8081A
	EPA 8081B
Heptachlor epoxide	EPA 8081A
	EPA 8081B
Lindane	EPA 8081A
	EPA 8081B

**Chlorinated Hydrocarbon Pesticides**

Methoxychlor	EPA 8081A
	EPA 8081B
Pentachloronitrobenzene	EPA 8270C
Toxaphene	EPA 8081A
	EPA 8081B

**Chlorinated Hydrocarbons**

1,2,4,5-Tetrachlorobenzene	EPA 8270C
1,2,4-Trichlorobenzene	EPA 8270C
	EPA 8270D
2-Chloronaphthalene	EPA 8270C
	EPA 8270D
Hexachlorobenzene	EPA 8270C
	EPA 8270D
Hexachlorobutadiene	EPA 8270C
	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270C
	EPA 8270D
Hexachloroethane	EPA 8270C
	EPA 8270D
Hexachlorophene	EPA 8270C
Hexachloropropene	EPA 8270C
Pentachlorobenzene	EPA 8270C

**Chlorophenoxy Acid Pesticides**

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A

Serial No.: 46035

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NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2013  
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**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. THOMAS TREUTLEIN  
ECOTEST LABORATORIES INC  
377 SHEFFIELD AVENUE  
WEST BABYLON, NY 11704

NY Lab Id No: 10320

*is hereby APPROVED as an Environmental Laboratory in conformance with the  
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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved analytes are listed below:*

**Chlorophenoxy Acid Pesticides**

2,4-D	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dinoseb	EPA 8151A
MCP	EPA 8151A

**Haloethers**

4-Bromophenylphenyl ether	EPA 8270C
	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270C
	EPA 8270D
Bis (2-chloroisopropyl) ether	EPA 8270C
	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270C
	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270C
	EPA 8270D

**Metals I**

Barium, Total	EPA 6010B
Cadmium, Total	EPA 6010B
Calcium, Total	EPA 6010B
Chromium, Total	EPA 6010B
Copper, Total	EPA 6010B
Iron, Total	EPA 6010B
Lead, Total	EPA 6010B
Magnesium, Total	EPA 6010B

**Metals I**

Manganese, Total	EPA 6010B
Nickel, Total	EPA 6010B
Potassium, Total	EPA 6010B
Silver, Total	EPA 6010B
Sodium, Total	EPA 6010B

**Metals II**

Aluminum, Total	EPA 6010B
Antimony, Total	EPA 6010B
Arsenic, Total	EPA 6010B
Beryllium, Total	EPA 6010B
Chromium VI	EPA 7196A
Lithium, Total	EPA 6010B
Mercury, Total	EPA 7471A
Selenium, Total	EPA 6010B
Vanadium, Total	EPA 6010B
Zinc, Total	EPA 6010B

**Metals III**

Cobalt, Total	EPA 6010B
Molybdenum, Total	EPA 6010B
Silica, Dissolved	EPA 6010B
Thallium, Total	EPA 6010B
Tin, Total	EPA 6010B
Titanium, Total	EPA 6010B

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**Minerals**

Chloride	EPA 9253
Fluoride, Total	EPA 9214
Sulfate (as SO <sub>4</sub> )	EPA 9038

**Miscellaneous**

Boron, Total	EPA 6010B
Cyanide, Total	EPA 9012A
Phenols	EPA 9065
Specific Conductance	EPA 9050

**Nitroaromatics and Isophorone**

1,4-Naphthoquinone	EPA 8270C
2,4-Dinitrotoluene	EPA 8270C
	EPA 8270D
2,6-Dinitrotoluene	EPA 8270C
	EPA 8270D
4-Dimethylaminoazobenzene	EPA 8270C
Isophorone	EPA 8270C
	EPA 8270D
Nitrobenzene	EPA 8270C
	EPA 8270D
Pyridine	EPA 8270C
	EPA 8270D

**Nitrosoamines**

N-Nitrosodiethylamine	EPA 8270C
N-Nitrosodimethylamine	EPA 8270C

**Nitrosoamines**

N-Nitrosodi-n-butylamine	EPA 8270C
N-Nitrosodi-n-propylamine	EPA 8270C
N-Nitrosodiphenylamine	EPA 8270C
N-nitrosomorpholine	EPA 8270C
N-nitrosopiperidine	EPA 8270C
N-Nitrosopyrrolidine	EPA 8270C

**Organophosphate Pesticides**

Azinphos methyl	EPA 8270C
Coumaphos	EPA 8270C
Demeton-O	EPA 8270C
Demeton-S	EPA 8270C
Diazinon	EPA 8270C
Dichlorvos	EPA 8270C
Dimethoate	EPA 8270C
Disulfoton	EPA 8270C
EPN	EPA 8270C
Famphur	EPA 8270C
Fensulfothion	EPA 8270C
Fenthion	EPA 8270C
Malathion	EPA 8270C
Mevinphos	EPA 8270C
NALED	EPA 8270C
Parathion ethyl	EPA 8270C
Parathion methyl	EPA 8270C
Phorate	EPA 8270C

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**Organophosphate Pesticides**

Sulfotepp	EPA 8270C
Thionazin	EPA 8270C

**Petroleum Hydrocarbons**

Diesel Range Organics	EPA 8015 B
Gasoline Range Organics	EPA 8015 B
Oil & Grease Total Recoverable (HEM)	EPA 9071 (Solvent:Hexane)

**Phthalate Esters**

Benzyl butyl phthalate	EPA 8270C
	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270C
	EPA 8270D
Diethyl phthalate	EPA 8270C
	EPA 8270D
Dimethyl phthalate	EPA 8270C
	EPA 8270D
Di-n-butyl phthalate	EPA 8270C
	EPA 8270D
Di-n-octyl phthalate	EPA 8270C
	EPA 8270D

**Polychlorinated Biphenyls**

PCB-1016	EPA 8082
	EPA 8082A
	EPA 8270C
PCB-1221	EPA 8082

**Polychlorinated Biphenyls**

PCB-1221	EPA 8082A
	EPA 8270C
PCB-1232	EPA 8082
	EPA 8082A
	EPA 8270C
PCB-1242	EPA 8082
	EPA 8082A
	EPA 8270C
PCB-1248	EPA 8082
	EPA 8082A
	EPA 8270C
PCB-1254	EPA 8082
	EPA 8082A
	EPA 8270C
PCB-1260	EPA 8082
	EPA 8082A
	EPA 8270C

**Polynuclear Aromatic Hydrocarbons**

3-Methylcholanthrene	EPA 8270C
7,12-Dimethylbenzyl (a) anthracene	EPA 8270C
Acenaphthene	EPA 8270C
	EPA 8270D
Acenaphthylene	EPA 8270C
	EPA 8270D
Anthracene	EPA 8270C

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**Polynuclear Aromatic Hydrocarbons**

Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270C
	EPA 8270D
Benzo(a)pyrene	EPA 8270C
	EPA 8270D
Benzo(b)fluoranthene	EPA 8270C
	EPA 8270D
Benzo(ghi)perylene	EPA 8270C
	EPA 8270D
Benzo(k)fluoranthene	EPA 8270C
	EPA 8270D
Chrysene	EPA 8270C
	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270C
	EPA 8270D
Fluoranthene	EPA 8270C
	EPA 8270D
Fluorene	EPA 8270C
	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270C
	EPA 8270D
Naphthalene	EPA 8270C
	EPA 8270D
Phenanthrene	EPA 8270C
	EPA 8270D

**Polynuclear Aromatic Hydrocarbons**

Pyrene	EPA 8270C
	EPA 8270D

**Priority Pollutant Phenols**

2,3,4,6 Tetrachlorophenol	EPA 8270C
2,4,5-Trichlorophenol	EPA 8270C
	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270C
	EPA 8270D
2,4-Dichlorophenol	EPA 8270C
	EPA 8270D
2,4-Dimethylphenol	EPA 8270C
	EPA 8270D
2,4-Dinitrophenol	EPA 8270C
	EPA 8270D
2,6-Dichlorophenol	EPA 8270C
2-Chlorophenol	EPA 8270C
	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270C
	EPA 8270D
2-Methylphenol	EPA 8270C
	EPA 8270D
2-Nitrophenol	EPA 8270C
	EPA 8270D
3-Methylphenol	EPA 8270C
	EPA 8270D

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**Priority Pollutant Phenols**

4-Chloro-3-methylphenol	EPA 8270C
	EPA 8270D
4-Methylphenol	EPA 8270C
	EPA 8270D
4-Nitrophenol	EPA 8270C
	EPA 8270D
Pentachlorophenol	EPA 8270C
	EPA 8270D
Phenol	EPA 8270C
	EPA 8270D

**Semi-Volatile Organics**

2-Methylnaphthalene	EPA 8270C
4-Amino biphenyl	EPA 8270C
Acetophenone	EPA 8270C
Benzoic Acid	EPA 8270C
Benzyl alcohol	EPA 8270C
Dibenzofuran	EPA 8270C
Ethyl methanesulfonate	EPA 8270C
Isosafrole	EPA 8270C
Methyl methanesulfonate	EPA 8270C
O,O,O-Triethyl phosphorothioate	EPA 8270C
Phenacetin	EPA 8270C
Safrole	EPA 8270C

**Volatile Aromatics**

1,2,4-Trimethylbenzene	EPA 8260B
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**Volatile Aromatics**

1,2-Dichlorobenzene	EPA 8260B
1,3,5-Trimethylbenzene	EPA 8260B
1,3-Dichlorobenzene	EPA 8260B
1,4-Dichlorobenzene	EPA 8260B
2-Chlorotoluene	EPA 8260B
4-Chlorotoluene	EPA 8260B
Benzene	EPA 8260B
Bromobenzene	EPA 8260B
Chlorobenzene	EPA 8260B
Ethyl benzene	EPA 8260B
Isopropylbenzene	EPA 8260B
Naphthalene, Volatile	EPA 8260B
n-Butylbenzene	EPA 8260B
n-Propylbenzene	EPA 8260B
p-Isopropyltoluene (P-Cymene)	EPA 8260B
sec-Butylbenzene	EPA 8260B
Styrene	EPA 8260B
tert-Butylbenzene	EPA 8260B
Toluene	EPA 8260B
Total Xylenes	EPA 8260B

**Volatile Halocarbons**

1,1,1,2-Tetrachloroethane	EPA 8260B
1,1,1-Trichloroethane	EPA 8260B
1,1,2,2-Tetrachloroethane	EPA 8260B
1,1,2-Trichloroethane	EPA 8260B

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**ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE**  
All approved analytes are listed below:

**Volatile Halocarbons**

1,1-Dichloroethane	EPA 8260B
1,1-Dichloroethene	EPA 8260B
1,1-Dichloropropene	EPA 8260B
1,2,3-Trichloropropane	EPA 8260B
1,2-Dibromo-3-chloropropane	EPA 8260B
1,2-Dibromoethane	EPA 8260B
1,2-Dichloroethane	EPA 8260B
1,2-Dichloropropane	EPA 8260B
1,3-Dichloropropane	EPA 8260B
2,2-Dichloropropane	EPA 8260B
2-Chloro-1,3-butadiene (Chloroprene)	EPA 8260B
2-Chloroethylvinyl ether	EPA 8260B
3-Chloropropene (Allyl chloride)	EPA 8260B
Bromochloromethane	EPA 8260B
Bromodichloromethane	EPA 8260B
Bromoform	EPA 8260B
Bromomethane	EPA 8260B
Carbon tetrachloride	EPA 8260B
Chloroethane	EPA 8260B
Chloroform	EPA 8260B
Chloromethane	EPA 8260B
cis-1,2-Dichloroethene	EPA 8260B
cis-1,3-Dichloropropene	EPA 8260B
cis-1,4-Dichloro-2-butene	EPA 8260B
Dibromochloromethane	EPA 8260B

**Volatile Halocarbons**

Dibromomethane	EPA 8260B
Dichlorodifluoromethane	EPA 8260B
Methylene chloride	EPA 8260B
Tetrachloroethene	EPA 8260B
trans-1,2-Dichloroethene	EPA 8260B
trans-1,3-Dichloropropene	EPA 8260B
trans-1,4-Dichloro-2-butene	EPA 8260B
Trichloroethene	EPA 8260B
Trichlorofluoromethane	EPA 8260B
Vinyl chloride	EPA 8260B

**Volatile Organics**

1,4-Dioxane	EPA 8260B
2-Butanone (Methylethyl ketone)	EPA 8260B
2-Hexanone	EPA 8260B
4-Methyl-2-Pentanone	EPA 8260B
Acetone	EPA 8260B
Acetonitrile	EPA 8260B
Carbon Disulfide	EPA 8260B
Ethyl Acetate	EPA 8260B
Ethylene Glycol	EPA 8015 B
Isobutyl alcohol	EPA 8260B
Methyl tert-butyl ether	EPA 8260B
o-Toluidine	EPA 8270C
Propionitrile	EPA 8260B
Vinyl acetate	EPA 8260B

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE*

*All approved analytes are listed below:*

**Sample Preparation Methods**

EPA 1310  
EPA 1311  
EPA 3005A  
EPA 3010A  
EPA 3020A  
EPA 3050B  
EPA 3545  
EPA 3545A  
EPA 3550B  
EPA 3580  
EPA 5030B  
EPA 5035  
EPA 9030B

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All approved subcategories and/or analytes are listed below:*

**Miscellaneous**

Lead in Dust Wipes

EPA 6010B

Lead in Paint

SM 18-21 3120B (99)

Serial No.: 46036

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**ENVIRONMENTAL ANALYSES AIR AND EMISSIONS**  
All approved analytes are listed below:

**Acrylates**

Acrylonitrile	EPA TO-15
Ethyl acrylate	EPA TO-15
Methyl methacrylate	EPA TO-15

**Chlorinated Hydrocarbon Pesticides**

4,4'-DDT	NIOSH 2, VOL. 3 S274
Aldrin	NIOSH 4, VOL. 1 5502
Chlordane Total	NYS DOH APC-34
Dieldrin	NIOSH 2, VOL. 3 S283
	NYS DOH APC-34
Heptachlor	NIOSH 2, VOL. 5 S287
Lindane	NIOSH 4, VOL. 1 5502

**Chlorinated Hydrocarbons**

1,2,4-Trichlorobenzene	EPA TO-15
Hexachlorobutadiene	EPA TO-15
Hexachloroethane	EPA TO-15

**Metals III**

Chromium, Total	NIOSH 7300
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**Polychlorinated Biphenyls**

PCB-1016	NIOSH 5503
PCB-1221	NIOSH 5503
PCB-1232	NIOSH 5503
PCB-1242	NIOSH 5503
PCB-1248	NIOSH 5503
PCB-1254	NIOSH 5503

**Polychlorinated Biphenyls**

PCB-1260	NIOSH 5503
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**Polynuclear Aromatics**

Benzo(a)pyrene	EPA TO-14A
	NIOSH 5515
Naphthalene	EPA TO-14A
	EPA TO-15
	NIOSH 1501

**Purgeable Aromatics**

1,2,4-Trimethylbenzene	EPA TO-14A
	EPA TO-15
1,2-Dichlorobenzene	EPA TO-14A
	EPA TO-15
1,3,5-Trimethylbenzene	EPA TO-14A
	EPA TO-15
1,3-Dichlorobenzene	EPA TO-14A
1,4-Dichlorobenzene	EPA TO-14A
	EPA TO-15
Benzene	EPA TO-14A
	EPA TO-15
Chlorobenzene	EPA TO-14A
	EPA TO-15
Ethyl benzene	EPA TO-14A
	EPA TO-15
Styrene	EPA TO-14A
	EPA TO-15

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**Purgeable Aromatics**

Toluene	EPA TO-14A
	EPA TO-15
Total Xylenes	EPA TO-14A
	EPA TO-15

**Purgeable Halocarbons**

1,1,1-Trichloroethane	EPA TO-14A
	EPA TO-15
1,1,2,2-Tetrachloroethane	EPA TO-14A
	EPA TO-15
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA TO-14A
	EPA TO-15
1,1,2-Trichloroethane	EPA TO-14A
	EPA TO-15
1,1-Dichloroethane	EPA TO-14A
	EPA TO-15
1,1-Dichloroethene	EPA TO-14A
	EPA TO-15
1,2-Dichloroethane	EPA TO-14A
	EPA TO-15
1,2-Dichloropropane	EPA TO-14A
	EPA TO-15
Bromodichloromethane	EPA TO-14A
	EPA TO-15
Bromoform	EPA TO-15
Bromomethane	EPA TO-14A

**Purgeable Halocarbons**

Bromomethane	EPA TO-15
Carbon tetrachloride	EPA TO-14A
	EPA TO-15
Chloroethane	EPA TO-14A
	EPA TO-15
Chloroform	EPA TO-14A
	EPA TO-15
Chloromethane	EPA TO-14A
	EPA TO-15
cis-1,2-Dichloroethene	EPA TO-14A
	EPA TO-15
Dichlorodifluoromethane	EPA TO-14A
	EPA TO-15
Methylene chloride	EPA TO-14A
	EPA TO-15
Tetrachloroethene	EPA TO-14A
	EPA TO-15
trans-1,2-Dichloroethene	EPA TO-14A
	EPA TO-15
trans-1,3-Dichloropropene	EPA TO-14A
	EPA TO-15
Trichloroethene	EPA TO-14A
	EPA TO-15
Trichlorofluoromethane	EPA TO-14A
	EPA TO-15

Serial No.: 46037

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.





NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER



Expires 12:01 AM April 01, 2013  
Issued April 1, 2012

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

MR. THOMAS TREUTLEIN  
ECOTEST LABORATORIES INC  
377 SHEFFIELD AVENUE  
WEST BABYLON, NY 11704

NY Lab Id No: 10320

*is hereby APPROVED as an Environmental Laboratory in conformance with the  
National Environmental Laboratory Accreditation Conference Standards (2003) for the category  
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS  
All approved analytes are listed below:*

**Purgeable Halocarbons**

Vinyl bromide	EPA TO-15
Vinyl chloride	EPA TO-14A
	EPA TO-15

**Volatile Chlorinated Organics**

Benzyl chloride	EPA TO-14A
	EPA TO-15
Epichlorohydrin	EPA TO-15

**Volatile Organics**

1,2-Dichlorotetrafluoroethane	EPA TO-14A
	EPA TO-15
1,3-Butadiene	EPA TO-14A
	EPA TO-15
2,2,4-Trimethylpentane	EPA TO-15
2-Butanone (Methylethyl ketone)	EPA TO-15
4-Methyl-2-Pentanone	EPA TO-15
Hexane	EPA TO-15
Methyl iodide	EPA TO-15
Methyl tert-butyl ether	EPA TO-15
Vinyl acetate	EPA TO-15

Serial No.: 46037

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (516) 485-5570 to verify the laboratory's accreditation status.



**Interim Emergency Wellhead Treatment**  
**Aqua New York Seamans Neck Road Water Treatment Facility**  
**April 20, 2012 System Prove Out Test Results**

**Microbiological Results**

	Raw	Treated Tank 1	Treated Tank 2	Treated Tank 3
0 Minutes	absent	absent	absent	absent
2 Minutes	absent	absent	absent	absent
5 Minutes	absent	absent	absent	absent
10 Minutes	absent	absent	absent	absent
30 Minutes	absent	absent	absent	absent

All Field Measured Free and Total Chlorine Readings were 0.00 mg/L

**Principal Organic Contaminant (POC) Results**

	Raw - 30 Minutes	Treated - 2 Minutes	Treated 30 Minutes
Trichloroethene	2.1 ug/L	<0.5 ug/L	<0.5 ug/L

All other POC Analytical Parameters are <0.5 ug/L (see full lab report)

**Arsenic Results**

	Treated Tank 1	Treated Tank 2	Treated Tank 3
0 Minutes	<0.005 mg/L	<0.005 mg/L	<0.005 mg/L
2 Minutes	<0.005 mg/L	<0.005 mg/L	<0.005 mg/L
5 Minutes	<0.005 mg/L	<0.005 mg/L	<0.005 mg/L
10 Minutes	<0.005 mg/L	<0.005 mg/L	<0.005 mg/L
30 Minutes	<0.005 mg/L	<0.005 mg/L	<0.005 mg/L

**Inorganic (IOC) Results**

Analytical Parameters	Units	Raw 30 Minutes	Treated 30 Minutes
Antimony as Sb	mg/L	<0.005	<0.005
Arsenic as AS	mg/L	<0.005	<0.005
Barium as BA	mg/L	0.009	0.043
Beryllium as Be	mg/L	<0.001	<0.001
Cadmium as Cd	mg/L	<0.001	<0.001
Chromium as Cr	mg/L	<0.005	<0.005
Copper as Cu	mg/L	0.01	<0.005
Iron as Fe	mg/L	1.7	1.6
Lead as Pb	mg/L	<0.001	0.001
Mercury as Hg	mg/L	<0.0002	<0.0002
Nickel as Ni	mg/L	0.009	0.015
Selenium as Se	mg/L	<0.005	<0.005
Silver as Ag	mg/L	<0.001	<0.001
Thallium as Tl	mg/L	<0.0003	<0.0003
Sodium as Na	mg/L	12	14
Manganese as Mn	mg/L	<0.01	0.05
Zinc as Zn	mg/L	0.06	0.04
Hardness as CaCO3	mg/L	20	26
Ca Hardness as CaCO3	mg/L	12	16
Cyanide as CN	mg/L	<0.02	<0.02
Fluoride as F	mg/L	<0.2	<0.2

Ammonia as N	mg/L	<0.05	<0.05
Chloride as Cl	mg/L	21	16
Sulfate as SO4	mg/L	31	13
Nitrite as N	mg/L	<0.002	<0.002
MBAS as LAS	mg/L	<0.1	<0.1
pH@lab	units	4.4	6.8
Alkalinity tot CaCO3	mg/L	<2	36
Tot Dissolved Solids	mg/L	51	50
Nitrate as N	mg/L	<0.05	<0.05
Turbidity	mg/L	<0.5	8.9
Color	units	<5	<5
Odor	units	0	0
Langelier Index	mg/L	-6	-3
Temperature	deg. C	13	13

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.01

04/23/12

CH2M H111  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12  
TIME COL'D:0920

MATRIX:Water SAMPLE: Mic Raw-0 Minutes

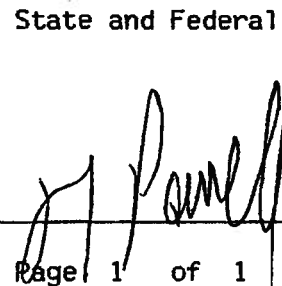
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG	OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135			0	189223
Free Chlorine Resid.	mg/L	0		*			

cc:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR





EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.02

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0922

MATRIX:Water SAMPLE: Mic Raw-2 Minutes

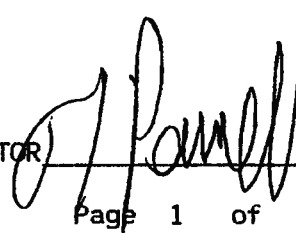
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

cc:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.03

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0925

MATRIX:Water SAMPLE: Mic Raw-5 Minutes

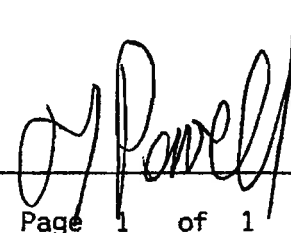
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

cc:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.04

04/23/12

CH2M H111  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0930

MATRIX:Water SAMPLE: Mic Raw-10 Minutes

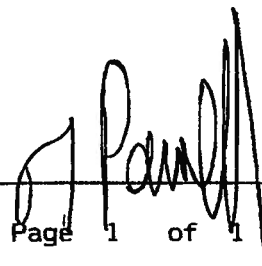
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coli form, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

cc:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.05

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: Mic Raw-30 Minutes

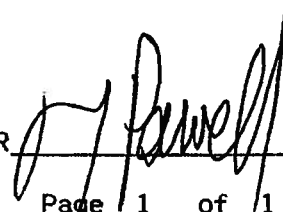
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coli form, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

cc:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR







EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.07

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0922

MATRIX:Water SAMPLE: Mic Tank 1-2 Minutes

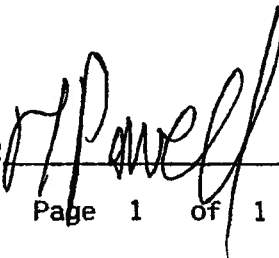
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG	OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135			0	189223
Free Chlorine Resid.	mg/L	0		*			

cc:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.08

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0925

MATRIX:Water SAMPLE: Mic Tank 1-5 Minutes

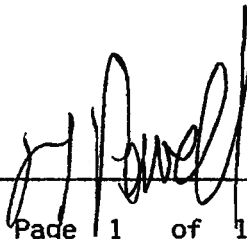
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

CC:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.09

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0930

MATRIX:Water SAMPLE: Mic Tank 1-10 Minutes

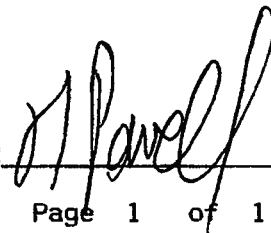
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

cc:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.10

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: Mic Tank 1-30 Minutes

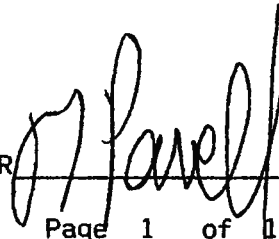
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

cc:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
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DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.11

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0920

MATRIX:Water SAMPLE: Mic Tank 2-0 Minutes

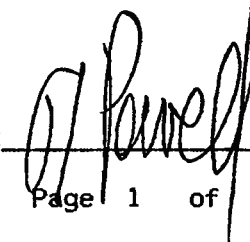
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

cc:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR





EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.12

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0922

MATRIX:Water SAMPLE: Mic Tank 2-2 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG	OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135			0	189223
Free Chlorine Resid.	mg/L	0		*			

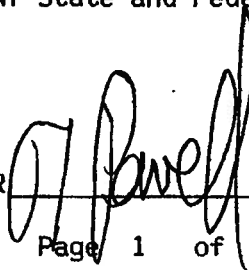
cc:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.

Total Coliform Bacteria is within NY State and Federal limits for potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.13

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0925

MATRIX:Water SAMPLE: Mic Tank 2-5 Minutes

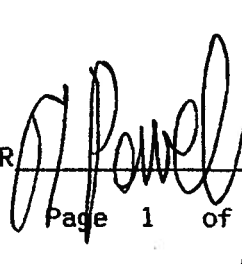
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

CC:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.14

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0930

MATRIX:Water SAMPLE: Mic Tank 2-10 Minutes

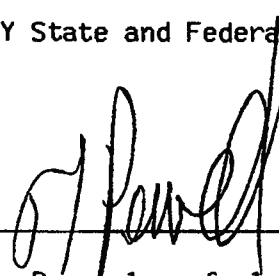
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

cc:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.15

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: Mic Tank 2-30 Minutes

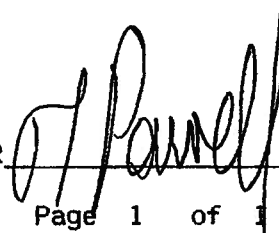
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

CC:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.16

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0920

MATRIX:Water SAMPLE: Mic Tank 3-0 Minutes

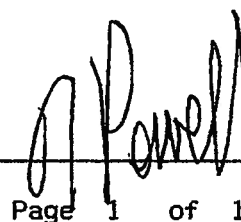
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

CC:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR





EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.17

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0922

MATRIX:Water SAMPLE: Mic Tank 3-2 Minutes

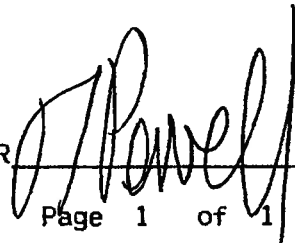
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

cc:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.18

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0925

MATRIX:Water SAMPLE: Mic Tank 3-5 Minutes

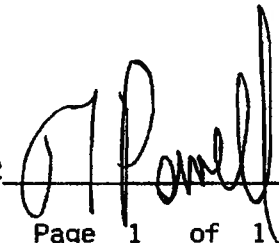
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

CC:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.19

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0930

MATRIX:Water SAMPLE: Mic Tank 3-10 Minutes

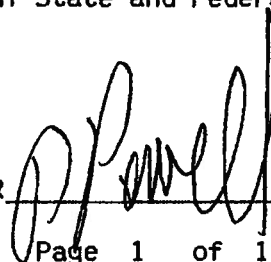
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Coliform, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

CC:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.20

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: Mic Tank 3-30 Minutes

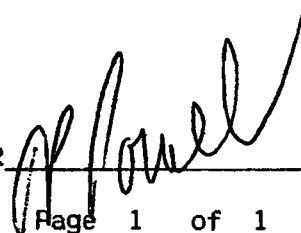
ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
T.Colliform, 100 mL		Absent	042012 1135	0	189223
Free Chlorine Resid.	mg/L	0	*		

cc:

LRL=laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limits for potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.21

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: POC Raw-30 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG	OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 0.5	042012			0.5	EPA524.2
Chloromethane	ug/L	< 0.5	042012			0.5	EPA524.2
Vinyl Chloride	ug/L	< 0.5	042012			0.5	EPA524.2
Bromomethane	ug/L	< 0.5	042012			0.5	EPA524.2
Chloroethane	ug/L	< 0.5	042012			0.5	EPA524.2
Trichlorofluoromethane	ug/L	< 0.5	042012			0.5	EPA524.2
1,1 Dichloroethene	ug/L	< 0.5	042012			0.5	EPA524.2
Methylene Chloride	ug/L	< 0.5	042012			0.5	EPA524.2
ter. ButylMethylEther	ug/L	< 0.5	042012			0.5	EPA524.2
t-1,2-Dichloroethene	ug/L	< 0.5	042012			0.5	EPA524.2
1,1 Dichloroethane	ug/L	< 0.5	042012			0.5	EPA524.2
2,2-Dichloropropane	ug/L	< 0.5	042012			0.5	EPA524.2
c-1,2-Dichloroethene	ug/L	< 0.5	042012			0.5	EPA524.2
Chloroform	ug/L	< 0.5	042012			0.5	EPA524.2
Bromochloromethane	ug/L	< 0.5	042012			0.5	EPA524.2
111 Trichloroethane	ug/L	< 0.5	042012			0.5	EPA524.2
1,1-Dichloropropene	ug/L	< 0.5	042012			0.5	EPA524.2
Carbon Tetrachloride	ug/L	< 0.5	042012			0.5	EPA524.2
1,2 Dichloroethane	ug/L	< 0.5	042012			0.5	EPA524.2
Benzene	ug/L	< 0.5	042012			0.5	EPA524.2
Trichloroethene	ug/L	2.1	042012			0.5	EPA524.2
1,2 Dichloropropane	ug/L	< 0.5	042012			0.5	EPA524.2
Bromodichloromethane	ug/L	< 0.5	042012			0.5	EPA524.2
Dibromomethane	ug/L	< 0.5	042012			0.5	EPA524.2
c-1,3Dichloropropene	ug/L	< 0.5	042012			0.5	EPA524.2

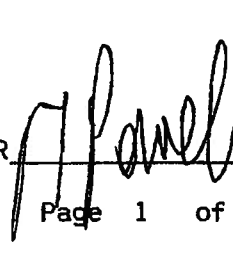
cc:

LRL=laboratory Reporting Limit

REMARKS: Nassau County Requirements Principle Organic Compounds,  
POC's.

All values are within NY State and Federal limits for  
potable water.

DIRECTOR





EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.21

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: POC Raw-30 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Toluene	ug/L	< 0.5	042012	0.5	EPA524.2
t-1,3Dichloropropene	ug/L	< 0.5	042012	0.5	EPA524.2
112 Trichloroethane	ug/L	< 0.5	042012	0.5	EPA524.2
1,3-Dichloropropane	ug/L	< 0.5	042012	0.5	EPA524.2
Tetrachloroethene	ug/L	< 0.5	042012	0.5	EPA524.2
Chlorodibromomethane	ug/L	< 0.5	042012	0.5	EPA524.2
Chlorobenzene	ug/L	< 0.5	042012	0.5	EPA524.2
1112Tetrachloroethane	ug/L	< 0.5	042012	0.5	EPA524.2
Ethyl Benzene	ug/L	< 0.5	042012	0.5	EPA524.2
m + p Xylene	ug/L	< 1	042012	1	EPA524.2
o Xylene	ug/L	< 0.5	042012	0.5	EPA524.2
Styrene	ug/L	< 0.5	042012	0.5	EPA524.2
Bromoform	ug/L	< 0.5	042012	0.5	EPA524.2
Isopropylbenzene	ug/L	< 0.5	042012	0.5	EPA524.2
1122Tetrachloroethane	ug/L	< 0.5	042012	0.5	EPA524.2
123-Trichloropropane	ug/L	< 0.5	042012	0.5	EPA524.2
n-Propylbenzene	ug/L	< 0.5	042012	0.5	EPA524.2
Bromobenzene	ug/L	< 0.5	042012	0.5	EPA524.2
135-Trimethylbenzene	ug/L	< 0.5	042012	0.5	EPA524.2
2-Chlorotoluene	ug/L	< 0.5	042012	0.5	EPA524.2
4-Chlorotoluene	ug/L	< 0.5	042012	0.5	EPA524.2
tert-Butylbenzene	ug/L	< 0.5	042012	0.5	EPA524.2
124-Trimethylbenzene	ug/L	< 0.5	042012	0.5	EPA524.2
sec-Butylbenzene	ug/L	< 0.5	042012	0.5	EPA524.2
p-Isopropyltoluene	ug/L	< 0.5	042012	0.5	EPA524.2

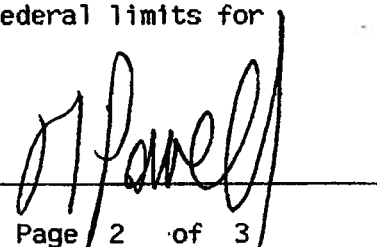
cc:

LRL=laboratory Reporting Limit

REMARKS: Nassau County Requirements Principle Organic Compounds,  
POC's.

All values are within NY State and Federal limits for  
potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.21

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: POC Raw-30 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 0.5	042012	0.5	EPA524.2
1,4 Dichlorobenzene (v)	ug/L	< 0.5	042012	0.5	EPA524.2
n-Butylbenzene	ug/L	< 0.5	042012	0.5	EPA524.2
1,2 Dichlorobenzene (v)	ug/L	< 0.5	042012	0.5	EPA524.2
124-Trichlorobenzene (v)	ug/L	< 0.5	042012	0.5	EPA524.2
Hexachlorobutadiene	ug/L	< 0.5	042012	0.5	EPA524.2
123-Trichlorobenzene	ug/L	< 0.5	042012	0.5	EPA524.2

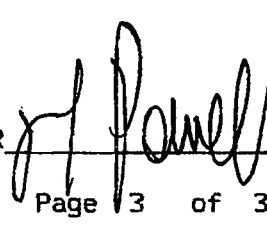
CC:

LRL=laboratory Reporting Limit

REMARKS: Nassau County Requirements Principle Organic Compounds,  
POC's.

All values are within NY State and Federal limits for  
potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.22

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0922

MATRIX:Water SAMPLE: POC Treated-2 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 0.5	042012	0.5	EPA524.2
Chloromethane	ug/L	< 0.5	042012	0.5	EPA524.2
Vinyl Chloride	ug/L	< 0.5	042012	0.5	EPA524.2
Bromomethane	ug/L	< 0.5	042012	0.5	EPA524.2
Chloroethane	ug/L	< 0.5	042012	0.5	EPA524.2
Trichlorofluoromethane	ug/L	< 0.5	042012	0.5	EPA524.2
1,1 Dichloroethene	ug/L	< 0.5	042012	0.5	EPA524.2
Methylene Chloride	ug/L	< 0.5	042012	0.5	EPA524.2
ter. ButylMethylEther	ug/L	< 0.5	042012	0.5	EPA524.2
t-1,2-Dichloroethene	ug/L	< 0.5	042012	0.5	EPA524.2
1,1 Dichloroethane	ug/L	< 0.5	042012	0.5	EPA524.2
2,2-Dichloropropane	ug/L	< 0.5	042012	0.5	EPA524.2
c-1,2-Dichloroethene	ug/L	< 0.5	042012	0.5	EPA524.2
Chloroform	ug/L	< 0.5	042012	0.5	EPA524.2
Bromochloromethane	ug/L	< 0.5	042012	0.5	EPA524.2
111 Trichloroethane	ug/L	< 0.5	042012	0.5	EPA524.2
1,1-Dichloropropene	ug/L	< 0.5	042012	0.5	EPA524.2
Carbon Tetrachloride	ug/L	< 0.5	042012	0.5	EPA524.2
1,2 Dichloroethane	ug/L	< 0.5	042012	0.5	EPA524.2
Benzene	ug/L	< 0.5	042012	0.5	EPA524.2
Trichloroethene	ug/L	< 0.5	042012	0.5	EPA524.2
1,2 Dichloropropane	ug/L	< 0.5	042012	0.5	EPA524.2
Bromodichloromethane	ug/L	< 0.5	042012	0.5	EPA524.2
Dibromomethane	ug/L	< 0.5	042012	0.5	EPA524.2
c-1,3Dichloropropene	ug/L	< 0.5	042012	0.5	EPA524.2

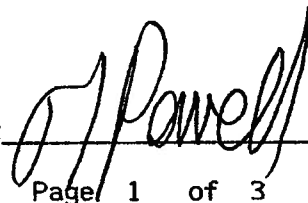
cc:

LRL=laboratory Reporting Limit

REMARKS: Nassau County Requirements Principle Organic Compounds,  
POC's.

All values are within NY State and Federal limits for  
potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.22

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0922

MATRIX:Water SAMPLE: POC Treated-2 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG	OF ANALYSIS	LRL	ANALYTICAL METHOD
Toluene	ug/L	< 0.5	042012			0.5	EPA524.2
t-1,3Dichloropropene	ug/L	< 0.5	042012			0.5	EPA524.2
112 Trichloroethane	ug/L	< 0.5	042012			0.5	EPA524.2
1,3-Dichloropropane	ug/L	< 0.5	042012			0.5	EPA524.2
Tetrachloroethene	ug/L	< 0.5	042012			0.5	EPA524.2
Chlorodibromomethane	ug/L	< 0.5	042012			0.5	EPA524.2
Chlorobenzene	ug/L	< 0.5	042012			0.5	EPA524.2
1112Tetrachloroethane	ug/L	< 0.5	042012			0.5	EPA524.2
Ethyl Benzene	ug/L	< 0.5	042012			0.5	EPA524.2
m + p Xylene	ug/L	< 1	042012			1	EPA524.2
o Xylene	ug/L	< 0.5	042012			0.5	EPA524.2
Styrene	ug/L	< 0.5	042012			0.5	EPA524.2
Bromoform	ug/L	< 0.5	042012			0.5	EPA524.2
Isopropylbenzene	ug/L	< 0.5	042012			0.5	EPA524.2
1122Tetrachloroethane	ug/L	< 0.5	042012			0.5	EPA524.2
123-Trichloropropane	ug/L	< 0.5	042012			0.5	EPA524.2
n-Propylbenzene	ug/L	< 0.5	042012			0.5	EPA524.2
Bromobenzene	ug/L	< 0.5	042012			0.5	EPA524.2
135-Trimethylbenzene	ug/L	< 0.5	042012			0.5	EPA524.2
2-Chlorotoluene	ug/L	< 0.5	042012			0.5	EPA524.2
4-Chlorotoluene	ug/L	< 0.5	042012			0.5	EPA524.2
tert-Butylbenzene	ug/L	< 0.5	042012			0.5	EPA524.2
124-Trimethylbenzene	ug/L	< 0.5	042012			0.5	EPA524.2
sec-Butylbenzene	ug/L	< 0.5	042012			0.5	EPA524.2
p-Isopropyltoluene	ug/L	< 0.5	042012			0.5	EPA524.2

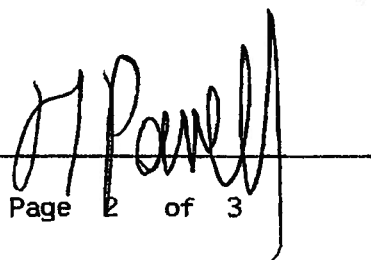
cc:

LRL=laboratory Reporting Limit

REMARKS: Nassau County Requirements Principle Organic Compounds,  
POC's.

All values are within NY State and Federal limits for  
potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.22

04/23/12

CH2M H111  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0922

MATRIX:Water SAMPLE: POC Treated-2 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 0.5	042012	0.5	EPA524.2
1,4 Dichlorobenzene (v)	ug/L	< 0.5	042012	0.5	EPA524.2
n-Butylbenzene	ug/L	< 0.5	042012	0.5	EPA524.2
1,2 Dichlorobenzene (v)	ug/L	< 0.5	042012	0.5	EPA524.2
124-Trichlorobenzene (v)	ug/L	< 0.5	042012	0.5	EPA524.2
Hexachlorobutadiene	ug/L	< 0.5	042012	0.5	EPA524.2
123-Trichlorobenzene	ug/L	< 0.5	042012	0.5	EPA524.2

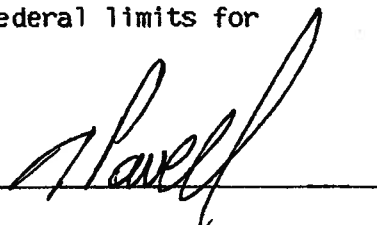
cc:

LRL=laboratory Reporting Limit

REMARKS: Nassau County Requirements Principle Organic Compounds,  
POC's.

All values are within NY State and Federal limits for  
potable water.

DIRECTOR





EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.23

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: POC Treated-30 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 0.5	042012	0.5	EPA524.2
Chloromethane	ug/L	< 0.5	042012	0.5	EPA524.2
Vinyl Chloride	ug/L	< 0.5	042012	0.5	EPA524.2
Bromomethane	ug/L	< 0.5	042012	0.5	EPA524.2
Chloroethane	ug/L	< 0.5	042012	0.5	EPA524.2
Trichlorofluoromethane	ug/L	< 0.5	042012	0.5	EPA524.2
1,1 Dichloroethene	ug/L	< 0.5	042012	0.5	EPA524.2
Methylene Chloride	ug/L	< 0.5	042012	0.5	EPA524.2
ter-ButylMethylEther	ug/L	< 0.5	042012	0.5	EPA524.2
t-1,2-Dichloroethene	ug/L	< 0.5	042012	0.5	EPA524.2
1,1 Dichloroethane	ug/L	< 0.5	042012	0.5	EPA524.2
2,2-Dichloropropane	ug/L	< 0.5	042012	0.5	EPA524.2
c-1,2-Dichloroethene	ug/L	< 0.5	042012	0.5	EPA524.2
Chloroform	ug/L	< 0.5	042012	0.5	EPA524.2
Bromochloromethane	ug/L	< 0.5	042012	0.5	EPA524.2
111 Trichloroethane	ug/L	< 0.5	042012	0.5	EPA524.2
1,1-Dichloropropene	ug/L	< 0.5	042012	0.5	EPA524.2
Carbon Tetrachloride	ug/L	< 0.5	042012	0.5	EPA524.2
1,2 Dichloroethane	ug/L	< 0.5	042012	0.5	EPA524.2
Benzene	ug/L	< 0.5	042012	0.5	EPA524.2
Trichloroethene	ug/L	< 0.5	042012	0.5	EPA524.2
1,2 Dichloropropane	ug/L	< 0.5	042012	0.5	EPA524.2
Bromodichloromethane	ug/L	< 0.5	042012	0.5	EPA524.2
Dibromomethane	ug/L	< 0.5	042012	0.5	EPA524.2
c-1,3Dichloropropene	ug/L	< 0.5	042012	0.5	EPA524.2

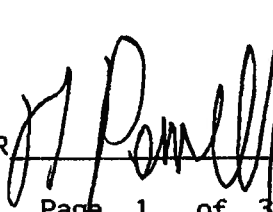
cc:

LRL=laboratory Reporting Limit

REMARKS: Nassau County Requirements Principle Organic Compounds,  
POC's.

All values are within NY State and Federal limits for  
potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.23

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: POC Treated-30 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Toluene	ug/L	< 0.5	042012	0.5	EPA524.2
t-1,3Dichloropropene	ug/L	< 0.5	042012	0.5	EPA524.2
112 Trichloroethane	ug/L	< 0.5	042012	0.5	EPA524.2
1,3-Dichloropropane	ug/L	< 0.5	042012	0.5	EPA524.2
Tetrachloroethene	ug/L	< 0.5	042012	0.5	EPA524.2
Chlorodibromomethane	ug/L	< 0.5	042012	0.5	EPA524.2
Chlorobenzene	ug/L	< 0.5	042012	0.5	EPA524.2
1112Tetrachloroethane	ug/L	< 0.5	042012	0.5	EPA524.2
Ethyl Benzene	ug/L	< 0.5	042012	0.5	EPA524.2
m + p Xylene	ug/L	< 1	042012	1	EPA524.2
o Xylene	ug/L	< 0.5	042012	0.5	EPA524.2
Styrene	ug/L	< 0.5	042012	0.5	EPA524.2
Bromoform	ug/L	< 0.5	042012	0.5	EPA524.2
Isopropylbenzene	ug/L	< 0.5	042012	0.5	EPA524.2
1122Tetrachloroethane	ug/L	< 0.5	042012	0.5	EPA524.2
123-Trichloropropane	ug/L	< 0.5	042012	0.5	EPA524.2
n-Propylbenzene	ug/L	< 0.5	042012	0.5	EPA524.2
Bromobenzene	ug/L	< 0.5	042012	0.5	EPA524.2
135-Trimethylbenzene	ug/L	< 0.5	042012	0.5	EPA524.2
2-Chlorotoluene	ug/L	< 0.5	042012	0.5	EPA524.2
4-Chlorotoluene	ug/L	< 0.5	042012	0.5	EPA524.2
tert-Butylbenzene	ug/L	< 0.5	042012	0.5	EPA524.2
124-Trimethylbenzene	ug/L	< 0.5	042012	0.5	EPA524.2
sec-Butylbenzene	ug/L	< 0.5	042012	0.5	EPA524.2
p-Isopropyltoluene	ug/L	< 0.5	042012	0.5	EPA524.2

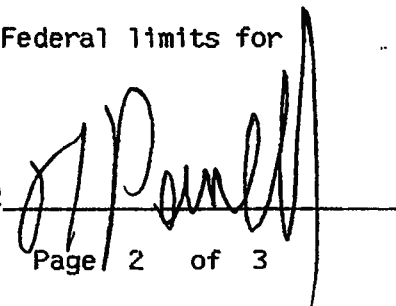
cc:

LRL=laboratory Reporting Limit

REMARKS: Nassau County Requirements Principle Organic Compounds,  
POC's.

All values are within NY State and Federal limits for  
potable water.

DIRECTOR



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.23

04/23/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: POC Treated-30 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG	OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 0.5	042012			0.5	EPA524.2
1,4 Dichlorobenzene (v)	ug/L	< 0.5	042012			0.5	EPA524.2
n-Butylbenzene	ug/L	< 0.5	042012			0.5	EPA524.2
1,2 Dichlorobenzene (v)	ug/L	< 0.5	042012			0.5	EPA524.2
124-Trichlorobenzene (v)	ug/L	< 0.5	042012			0.5	EPA524.2
Hexachlorobutadiene	ug/L	< 0.5	042012			0.5	EPA524.2
123-Trichlorobenzene	ug/L	< 0.5	042012			0.5	EPA524.2

cc:

LRL=laboratory Reporting Limit

REMARKS: Nassau County Requirements Principle Organic Compounds,  
POC's.

All values are within NY State and Federal limits for  
potable water.

DIRECTOR

rn = 7834

NYSDOH ID # 10320

Page 3 of 3

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.24

04/25/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: IOC Raw-30 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Antimony as Sb	mg/L	< 0.005	042412	0.005	EPA200.5
Arsenic as As	mg/L	< 0.005	042412	0.005	EPA200.5
Barium as Ba	mg/L	0.009	042412	0.001	EPA200.5
Beryllium as Be	mg/L	< 0.001	042412	0.001	EPA200.5
Cadmium as Cd	mg/L	< 0.001	042412	0.001	EPA200.5
Chromium as Cr	mg/L	< 0.005	042412	0.005	EPA200.5
Copper as Cu	mg/L	0.01	042412	0.005	EPA200.5
Iron as Fe	mg/L	1.7	042412	0.01	EPA200.5
Lead as Pb	mg/L	< 0.001	042412	0.001	EPA200.5
Mercury as Hg	mg/L	< 0.0002	042312	0.0002	EPA245.1
Nickel as Ni	mg/L	0.009	042412	0.005	EPA200.5
Selenium as Se	mg/L	< 0.005	042412	0.005	EPA200.5
Silver as Ag	mg/L	< 0.001	042412	0.001	EPA200.5
Thallium as Tl	mg/L	< 0.0003	* 042412	0.0001	EPA200.8
Sodium as Na	mg/L	12	042412	1	EPA200.5
Manganese as Mn	mg/L	< 0.01	042412	0.01	EPA200.5
Zinc as Zn	mg/L	0.06	042412	0.01	EPA200.5
Hardness as CaCO3	mg/L	20	042412	0.035	EPA200.5
Ca Hardness as CaCO3	mg/L	12	042412	0.01	EPA200.5
Cyanide as CN	mg/L	< 0.02	042012	0.02	EPA335.4
Fluoride as F	mg/L	< 0.2	042312	0	S184500FC
Ammonia as N	mg/L	< 0.05	042012	0.05	S204500NH3D
Chloride as Cl	mg/L	21	042012	2	S184500C1B
Sulfate as SO4	mg/L	31	042312	5	ASD516 02

cc:

LRL=laboratory Reporting Limit

REMARKS: Nassau County Requirements IOC's.

\* Analysis was performed by NYID#10478.

DIRECTOR

Thomas Powell

rn = 7835

NYSDOH ID # 10320

Page 1 of 2

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.24

04/25/12

CH2M H111  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: IOC Raw-30 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Nitrite as N	mg/L	< 0.002		042012 1345	0.002	S184500NO2B
MBAS as LAS	mg/L	< 0.1		042012 1200	0.1	EPA425.1
pH@lab units		4.4		042012 1306	0.1	S184500HB
Alkalinity tot CaCo3	mg/L	< 2		042012	2	S182320B
Tot Dissolved Solids	mg/L	51		042012	10	S182540C
Nitrate as N	mg/L	< 0.05		042012	0.05	EPA353.2
Turbidity NTU	mg/L	< 0.5		042012 1720	0.5	EPA180.1
Color units		< 5		042012 1121	5	EPA2120B
Odor units		0.0		042012 1119	0	EPA140.1
Langelier Index	mg/L	-6		042412	0-6	S18-2330
Temperature, deg.C		13	*			

cc:

LRL=laboratory Reporting Limit

REMARKS: \* Estimated.  
Nassau County Requirements IOC's.

DIRECTOR 

rn = 7836

NYSDOH ID # 10320

Page 2 of 2

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.25

04/25/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: IOC Treated-30 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Antimony as Sb	mg/L	< 0.005		042412	0.005	EPA200.5
Arsenic as As	mg/L	< 0.005		042412	0.005	EPA200.5
Barium as Ba	mg/L	0.043		042412	0.001	EPA200.5
Beryllium as Be	mg/L	< 0.001		042412	0.001	EPA200.5
Cadmium as Cd	mg/L	< 0.001		042412	0.001	EPA200.5
Chromium as Cr	mg/L	< 0.005		042412	0.005	EPA200.5
Copper as Cu	mg/L	< 0.005		042412	0.005	EPA200.5
Iron as Fe	mg/L	1.6		042412	0.01	EPA200.5
Lead as Pb	mg/L	0.001		042412	0.001	EPA200.5
Mercury as Hg	mg/L	< 0.0002		042312	0.0002	EPA245.1
Nickel as Ni	mg/L	0.015		042412	0.005	EPA200.5
Selenium as Se	mg/L	< 0.005		042412	0.005	EPA200.5
Silver as Ag	mg/L	< 0.001		042412	0.001	EPA200.5
Thallium as Tl	mg/L	< 0.0003	*	042412	0.0001	EPA200.8
Sodium as Na	mg/L	14		042412	1	EPA200.5
Manganese as Mn	mg/L	0.05		042412	0.01	EPA200.5
Zinc as Zn	mg/L	0.04		042412	0.01	EPA200.5
Hardness as CaCO3	mg/L	26		042412	0.035	EPA200.5
Ca Hardness as CaCO3	mg/L	16		042412	0.01	EPA200.5
Cyanide as CN	mg/L	< 0.02		042012	0.02	EPA335.4
Fluoride as F	mg/L	< 0.2		042312	0	S184500FC
Ammonia as N	mg/L	< 0.05		042012	0.05	S204500NH3D
Chloride as Cl	mg/L	16		042012	2	S184500C1B
Sulfate as SO4	mg/L	13		042312	5	ASD516 02

cc:

LRL=laboratory Reporting Limit

REMARKS: Nassau County Requirements IOC's.

\* Analysis was performed by NYID#10478.

DIRECTOR 

rn = 7837

NYSDOH ID # 10320

Page 1 of 2



EcoTest Laboratories Inc  
377 Sheffleld Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121457.25

04/25/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: IOC Treated-30 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Nitrite as N	mg/L	< 0.002		042012 1345	0.002	S184500NO2B
MBAS as LAS	mg/L	< 0.1		042012 1200	0.1	EPA425.1
pH@lab units		6.8		042012 1309	0.1	S184500HB
Alkalinity tot CaCo3	mg/L	36		042012	2	S182320B
Tot Dissolved Solids	mg/L	50		042012	10	S182540C
Nitrate as N	mg/L	< 0.05		042012	0.05	EPA353.2
Turbidity NTU	mg/L	8.9		042012 1720	0.5	EPA180.1
Color units		< 5		042012 1122	5	EPA2120B
Odor units		0.0		042012 1119	0	EPA140.1
Langelier Index	mg/L	-3		042412	0-6	S18-2330
Temperature, deg.C		13	*			

cc:

LRL=laboratory Reporting Limit

REMARKS: \* Estimated.

Nassau County Requirements IOC's.

Thomas Powell  
DIRECTOR 

rn = 7838

NYSDOH ID # 10320

Page 2 of 2

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121458.01

04/25/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0920

MATRIX:Water SAMPLE: Arsenic Tank 1-0 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG	OF ANALYSIS	LRL	ANALYTICAL METHOD
Arsenic as As	mg/L	< 0.005	042412			0.005	EPA200.5

cc:

LRL=Laboratory Reporting Limit

REMARKS: Arsenic concentration is within NY State and Federal limits for potable water.

DIRECTOR Thomas Powell

rn = 7839

NYSDOH ID # 10320

Page 1 of 1

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121458.02

04/25/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12  
TIME COL'D:0922

MATRIX:Water SAMPLE: Arsenic Tank 1-2 Minutes

ANALYTICAL PARAMETERS	UNITS RESULT	DATE TIME FLAG OF ANALYSIS	ANALYTICAL LRL METHOD
Arsenic as As	mg/L < 0.005	042412	0.005 EPA200.5

cc:

LRL=laboratory Reporting Limit

REMARKS: Arsenic concentration is within NY State and Federal limits  
for potable water.

DIRECTOR Thomas Powell

rn = 7840

NYSDOH ID # 10320

Page 1 of 1

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121458.03

04/25/12

CH2M H111  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12  
TIME COL'D:0925

MATRIX:Water SAMPLE: Arsenic Tank 1-5 Minutes

ANALYTICAL PARAMETERS	UNITS RESULT	DATE TIME FLAG OF ANALYSIS	ANALYTICAL LRL METHOD
Arsenic as As	mg/L < 0.005	042412	0.005 EPA200.5

cc:

LRL=laboratory Reporting Limit

REMARKS: Arsenic concentration is within NY State and Federal limits  
for potable water.

Thomas Powell

DIRECTOR

Page 1 of 1

rn = 7841

NYSDOH ID # 10320

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121458.04

04/25/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12  
TIME COL'D:0930

MATRIX:Water SAMPLE: Arsenic Tank 1-10 Minutes

ANALYTICAL PARAMETERS	UNITS RESULT	DATE TIME FLAG OF ANALYSIS	ANALYTICAL LRL METHOD
Arsenic as As	mg/L < 0.005	042412	0.005 EPA200.5

cc:

LRL=laboratory Reporting Limit

REMARKS: Arsenic concentration is within NY State and Federal limits  
for potable water.

Thomas Powell  
DIRECTOR 

rn = 7842

NYSDOH ID # 10320

Page 1 of 1

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121458.05

04/25/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950


MATRIX:Water SAMPLE: Arsenic Tank 1-30 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG	OF ANALYSIS	LRL	ANALYTICAL
							METHOD
Arsenic as As	mg/L	< 0.005	042412			0.005	EPA200.5

CC:

LRL=laboratory Reporting Limit

REMARKS: Arsenic concentration is within NY State and Federal limits  
for potable water.

DIRECTOR Thomas Powell  


rn = 7843

NYSDOH ID # 10320

Page 1 of 1



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121458.06

04/25/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0920

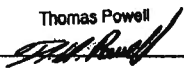
MATRIX:Water SAMPLE: Arsenic Tank 2-0 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Arsenic as As	mg/L	< 0.005	042412	0.005	EPA200.5

cc:

LRL=laboratory Reporting Limit

REMARKS: Arsenic concentration is within NY State and Federal limits  
for potable water.

DIRECTOR Thomas Powell  


rn = 7844

NYSDOH ID # 10320

Page 1 of 1

LAB NO.121458.07

04/25/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0922

MATRIX:Water SAMPLE: Arsenic Tank 2-2 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG	OF ANALYSIS	LRL	ANALYTICAL METHOD
Arsenic as As	mg/L	< 0.005	042412			0.005	EPA200.5

CC:

LRL=laboratory Reporting Limit

REMARKS: Arsenic concentration is within NY State and Federal limits for potable water.

DIRECTOR Thomas Powell

rn = 7845

NYSDOH ID # 10320

Page 1 of 1

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121458.08

04/25/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12  
TIME COL'D:0925

MATRIX:Water SAMPLE: Arsenic Tank 2-5 Minutes

ANALYTICAL PARAMETERS	UNITS RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Arsenic as As	mg/L < 0.005	042412	0.005	EPA200.5

CC:

LRL=laboratory Reporting Limit

REMARKS: Arsenic concentration is within NY State and Federal limits  
for potable water.

Thomas Powell  
DIRECTOR 

rn = 7846

NYSDOH ID # 10320

Page 1 of 1

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121458.10

04/25/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: Arsenic Tank 2-30 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Arsenic as As	mg/L	< 0.005	042412		0.005	EPA200.5

CC:

LRL=laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR



rn = 7848

NYSDOH ID # 10320

Page 1 of 1

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121458.10

04/25/12

CH2M H111  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: Arsenic Tank 2-30 Minutes

ANALYTICAL PARAMETERS	UNITS RESULT	DATE TIME FLAG OF ANALYSIS	ANALYTICAL LRL METHOD
Arsenic as As	mg/L < 0.005	042412	0.005 EPA200.5

CC:

LRL=laboratory Reporting Limit

REMARKS: Arsenic concentration is within NY State and Federal limits  
for potable water.

Thomas Powell  
DIRECTOR 

rn = 7848

NYSDOH ID # 10320

Page 1 of 1

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121458.11

04/25/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12  
TIME COL'D:0920

MATRIX:Water SAMPLE: Arsenic Tank 3-0 Minutes

ANALYTICAL PARAMETERS	UNITS RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Arsenic as As	mg/L < 0.005	042412	0.005	EPA200.5

CC:

LRL=laboratory Reporting Limit

REMARKS: Arsenic concentration is within NY State and Federal limits  
for potable water.

DIRECTOR

Thomas Powell

rn = 7849

NYSDOH ID # 10320

Page 1 of 1



EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121458.12

04/25/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0922

MATRIX:Water SAMPLE: Arsenic Tank 3-2 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Arsenic as As	mg/L	< 0.005	042412		0.005	EPA200.5

cc:

LRL=laboratory Reporting Limit

REMARKS: Arsenic concentration is within NY State and Federal limits  
for potable water.

DIRECTOR

Thomas Powell

rn = 7850

NYSDOH ID # 10320

Page 1 of 1

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121458.13

04/25/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12  
TIME COL'D:0925

MATRIX:Water SAMPLE: Arsenic Tank 3-5 Minutes

ANALYTICAL PARAMETERS	UNITS RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Arsenic as As	mg/L < 0.005	042412	0.005	EPA200.5

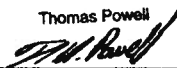
cc:

LRL=laboratory Reporting Limit

REMARKS: Arsenic concentration is within NY State and Federal limits  
for potable water.

Thomas Powell

DIRECTOR



rn = 7851

NYSDOH ID # 10320

Page 1 of 1

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121458.14

04/25/12

CH2M Hill  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client DATE COL'D:04/20/12 RECEIVED:04/20/12  
TIME COL'D:0930

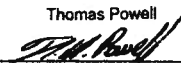
MATRIX:Water SAMPLE: Arsenic Tank 3-10 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Arsenic as As	mg/L	< 0.005	042412		0.005	EPA200.5

CC:

LRL=laboratory Reporting Limit

REMARKS: Arsenic concentration is within NY State and Federal limits  
for potable water.

Thomas Powell  
DIRECTOR 

rn = 7852

NYSDOH ID # 10320

Page 1 of 1

EcoTest Laboratories Inc  
377 Sheffield Ave  
North Babylon, NY 11703  
631 422-5777

LAB NO.121458.15

04/25/12

CH2M H111  
999 South Oyster Bay Road  
Bethpage, NY 11714

ATTN: Don Conger

PO#:

SOURCE OF SAMPLE: Aqua NY Seamans Neck Road-GAC, #420233

SOURCE OF SAMPLE:

COLLECTED BY: Client

DATE COL'D:04/20/12 RECEIVED:04/20/12

TIME COL'D:0950

MATRIX:Water SAMPLE: Arsenic Tank 3-30 Minutes

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME	FLAG	OF ANALYSIS	LRL	ANALYTICAL METHOD
Arsenic as As	mg/L	< 0.005	042412			0.005	EPA200.5

cc:

LRL=laboratory Reporting Limit

REMARKS: Arsenic concentration is within NY State and Federal limits for potable water.

DIRECTOR Thomas Powell

rn = 7853

NYSDOH ID # 10320

Page 1 of 1

1072

57

**ECOLAB EST LABORATORIES, INC. • ENVIRONMENTAL TESTING**  
377 Sheffield Avenue, North Babylon, New York 11703  
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

**CHAIN OF CUSTODY RECORD**

121457

Client: CH2M Hill  
Address: 999 South Oyster Bay Road  
Bethpage, NY 11714  
Phone: 610-764-8681 FAX: 215-640-9379  
Person receiving report: Don Conger  
Sampled by: Don Conger  
Source: AQUA-NY Seawans Neck Road GAC  
Job No.: 420233

TYPE & NUMBER OF CONTAINERS  
TOTAL NUMBER OF CONTAINERS  
Accelerated Turnaround  
Date Required  
QC Pkg Type  
(If Required)

MATRIX (Soil, Water, etc.)	COLLECTED DATE TIME	SAMPLE IDENTIFICATION	REMARKS-TESTS REQUIRED
Water	4/23 9:20	Mic Raw-0'	4/23 Colilert - 24 hr. Class = 0
	4/23 9:22	Mic Raw-2'	
	9:25	Mic Raw-5'	
	9:30	Mic Raw-10'	
	9:30	Mic Raw-30'	
	9:20	Mic Tank 1-0'	
	9:22	Mic Tank 1-2'	
	4/20 9:25	Mic Tank 1-5'	
	9:30	Mic Tank 1-10'	
	9:30	Mic Tank 1-30'	
	9:20	Mic Tank 2-0'	
	9:22	Mic Tank 2-2'	
	9:25	Mic Tank 2-5'	
	4/20 9:30	Mic Tank 2-10'	
	4/20 9:30	Mic Tank 2-30'	
Water	4/23 9:20	Mic Raw-0'	4.000
Relinquished by: (Signature) Don R. Conger	DATE/TIME 4/23	SEAL INTACT? YES NO NA	Relinquished by: (Signature) Don R. Conger
Representing: CH2M Hill	DATE/TIME	SEAL INTACT? YES NO NA	Representing: CH2M Hill
Relinquished by: (Signature)	DATE/TIME	SEAL INTACT? YES NO NA	Relinquished by: (Signature)
Representing:	DATE/TIME	SEAL INTACT? YES NO NA	Representing:

## **CHAIN OF CUSTODY RECORD**

**ECOTEST LABORATORIES, INC. • ENVIRONMENTAL TESTING**  
377 Sheffield Avenue, North Babylon, New York 11703  
(631) 422-5777 • FAX (631) 422-5770 • Email: [ecotestlab@aol.com](mailto:ecotestlab@aol.com)

Client: CH2M Hill  
Address: 999 South Oyster Bay Road  
Bethpage, NY 11714  
Phone: 610-764-8881 FAX: 215-640-9379  
Person receiving report: Don Conger  
Sampled by: Don Conger  
Source: AQUA-NY Senmans Neck Road GAC  
Job No.: 420233

[illegible]



**ECOTEST LABORATORIES, INC. • ENVIRONMENTAL TESTING**  
 377 Sheffield Avenue, North Babylon, New York 11703  
 (631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

**CHAIN OF CUSTODY RECORD**

Client: CH2M Hill  
 Address: 999 South Oyster Bay Road  
 Bethpage, NY 11714  
 Phone: 610-764-8681 FAX: 215-640-9379  
 Person receiving report: Don Coger  
 Sampled by: Don Coger  
 Source: ARJUT-NY Seniors Next Road GAC  
 Job No.: 420233

MATRIX (Soil, Water, etc.)	COLLECTED DATE	TIME	SAMPLE IDENTIFICATION		REMARKS-TESTS REQUIRED
			Small	Large	

Water	4/20	9:20	Arsenic Tank 1-0'	1	4/23	Arsenic - EPA 200.7 - 24 hr
		9:22	Arsenic Tank 1-2'	1		
		9:25	Arsenic Tank 1-5'	1		
		9:30	Arsenic Tank 1-10'	1		
		9:30	Arsenic Tank 1-30'	1		
		9:20	Arsenic Tank 2-0'	1		
		9:20	Arsenic Tank 2-2'	1		
		9:25	Arsenic Tank 2-5'	1		
		9:30	Arsenic Tank 2-10'	1		
		9:30	Arsenic Tank 2-30'	1		
		9:20	Arsenic Tank 3-0'	1		
		9:22	Arsenic Tank 3-2'	1		
		9:25	Arsenic Tank 3-5'	1		
		9:30	Arsenic Tank 3-10'	1		
Water	4/20	9:30	Arsenic Tank 3-30'	1	4/23	Arsenic - EPA 200.7 - 24 hr
Relinquished by: (Signature) Don Coger	DATE/TIME 4/20	SEAL INTACT? YES	Relinquished by: (Signature) Don Coger	DATE/TIME 4/23	SEAL INTACT? YES	Received by: (Signature)
Representing: CH2M Hill	DATE/TIME	SEAL INTACT? YES	Representing: CH2M Hill	DATE/TIME	SEAL INTACT? YES	Representing:

121458

TYPE &amp; NUMBER OF CONTAINERS

AC Pkg Type (If Required)

Accelerated Turnaround Date Required

TOTAL NUMBER OF CONTAINERS

Small

Large

Both



**TRANSMITTAL OF CONTRACTOR'S SUBMITTAL**  
(ATTACH TO EACH SUBMITTAL)

DATE: 05/14/2012

To:	NAVFAC MIDLANT Mr. Greg Pearman gregory.pearman@marines.usmc.mil	From:	Don Conger, PE, AGVIQ-CH2M HILL (Contractor) Don.Conger@ch2m.com
CC:	christopher.shukis@navy.mil Lora.Fly@navy.mil	CC:	Jim.Nicotri@ch2m.com smatney@tikigaq.com Amy.Wolff@ch2m.com

SUBMITTAL INFORMATION	
Submittal No.:	057 400513-09 Pressure and Valve Test Results
<input checked="" type="checkbox"/> New Submittal	<input type="checkbox"/> Resubmittal
Project:	Interim Emergency Wellhead Treatment Aqua-NY Water Treatment Facility
Project No.:	N62470-08-D-1006, TO No.: WE23
Specification Section No.:	40 05 13
Date of Submittal:	5/14/2012

SUBMITTAL TYPE:		
<input type="checkbox"/> Shop Drawing	<input type="checkbox"/> Sample	<input checked="" type="checkbox"/> Informational
<input type="checkbox"/> Material Data	<input type="checkbox"/> Proposed Substitution	<input type="checkbox"/> Other

The following items are hereby submitted:

Number of Copies	Description of Item Submitted (Type, Size, Model Number, Etc.)	Spec. and Para. No.	Drawing or Brochure Number	Contains Variation to Contract	
				No	Yes
1	Pressure and Valve Testing Report	40 05 13, 1.4		<input checked="" type="checkbox"/>	<input type="checkbox"/>

The following information about the submission is hereby provided:

Pressure and Valve Testing
Per the requirements of the contract, we are hereby submitting the results of the Pipe Leakage, Hydrostatic, and Valve Tests. All tests were performed in accordance with the specifications, and all tests passed. This is an informational submission so government approval is not required.

CONTRACTOR hereby certifies that (i) CONTRACTOR has complied with the requirements of Contract Documents in preparation, review, and submission of designated Submittal and (ii) the Submittal is complete and in accordance with the Contract Documents and requirements of laws and regulations and governing agencies.

By:   
CONTRACTOR (Authorized Signature)

## Submittal Review Comments Checklist

PROJECT DATA			
Project Name:	Interim Emergency Wellhead Treatment Aqua-NY	Client:	Naval Facilities Engineering Command, Mid-Atlantic
Project No.:	N62470-08-D-1006 TO No.: WE23	Project Location:	Seamans Neck Road, Levittown, New York
Inspection Date:	5/14/2012	Inspector:	Don Conger, CH2M HILL
Report No:	057	Contractor:	AGVIO-CH2M HILL

SUBMITTAL DETAILS			
Submittal No.:	057 400513-09 Pressure and Valve Test Results		
Specification Section:	40 05 13	Reviewer Name:	Don Conger, CH2M HILL
Description:	Pressure and Valve Tests	Page:	40 05 13 - 5
Submittal Type:	<input type="checkbox"/> Shop Drawing <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Information		
Approval:	<input checked="" type="checkbox"/> 1. Approved <input type="checkbox"/> 2. Approved as noted <input type="checkbox"/> 3. Partial Approval – Resubmit as Noted (resubmittal required) <input type="checkbox"/> 4. Revise and Resubmit (resubmittal required) <input type="checkbox"/> 5. Not subject to review		

SUBMITTAL LIST		
No.	Comment	Related Spec Paragraph/Drawing

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**Hydrostatic, Pipe Leakage, and Valve Testing**

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**Testing Results**  
**Installation of Interim Emergency Treatment Liquid-Phase**  
**Granular Activated Carbon Units**

**Aqua New York, Inc., Seamans Neck Road Water Plant,**  
**NWIRP Bethpage, New York**

**Contract N62470-08-D-1006, Task Order WE23**

**DATE:** May 14, 2012

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This memo is being provided as a record of the Hydrostatic, Pipe Leakage, and Valve Testing that was performed for the above referenced project.

On Wednesday, April 4, 2012, Hydrostatic and Pipe Leakage Testing was performed on the underground water piping per the Specifications Section 33 11 00, 3.2.2. The piping was capped, filled with clean water, and tested to 200 psi. The pipe, fittings, and valves held the pressure for over 2 hours, per the specifications.

On Friday, April 6, 2011, Hydrostatic and Pipe Leakage Testing was performed on the entire GAC system, including the vessels, piping, fittings, and valves. The testing was performed per the Specifications Section 40 05 13, 3.14; and as approved in the revised testing procedure in RFI-04 (see attached). The entire system was filled with clean water, and tested at 100 psi. The entire system held the pressure for over 2 hours, per the specifications.

Valve testing on the GAC system was performed throughout the week of April 16-20, 2012. During this time backwashing, system disinfection, and flushing was performed. Each of the system valves were turned several times as the tanks were filled, backwashed, emptied, and flushed. Valve testing was performed in accordance with Specification Section 40 05 13, 3.14.4. Each valve opened and closed smoothly both with and without operating pressure. Each of the 8-inch butterfly valves with hand wheels required 14 turns from full open to full close, as per the manufacturers literature. The remaining 3-inch butterfly valves were supplied with quarter turn handles that worked as required.

Though not required in the Specifications, valve testing was also performed on the three 12-inch buried butterfly valves leading to the Aqua-NY system. Valve testing took place on April 14, 2012 during system startup. Each valve was already known to hold 200 psi of

pressure based on the pressure testing. The valves were each turned, operated smoothly, and took 30 turns to go from full open to full close as described in the product literature.

All testing was performed under the supervision of the AGVIQ/CH2M HILL QC Manager, Don Conger.

A handwritten signature in black ink, reading "Donald R. Conger III". The signature is written in a cursive style with a large, stylized "D" and "C".

Donald R. Conger III, PE



## REQUEST FOR INFORMATION

Project Name/Description:	Installation of Interim Emergency Treatment LPGAC	RFI No.:	004	Date Submitted:	3/29/2012
Contract/TO No:	WE23	Project No:	420233		
To:	Greg Pearman, NAVFAC Midlant				
	Name	Title			
From:	Don Conger				
	Name	QC Manager			
	Title				
REFERENCES					
Document (Work Plan, Scope of Work, etc.):		Technical Specifications			
Drawing(s)/Specification (Drawing No, Specification No., etc.):		Specification Sections 33 11 00, 43 31 13			
Detail/Section (Page No., Section No., Paragraph No., etc.):		N/A			
Discipline (Architecture, Electrical, Mechanical, Chemical, Hydrogeology, etc.):		Mechanical			
POTENTIAL IMPACT: Cost <input type="checkbox"/> Schedule <input type="checkbox"/> Activity/Task Impacted: Underground Pipe Installation					
REQUEST		<p>The specifications call for a 125 psi pressure test of the tanks, and a 200 psi test of all piping.</p> <p>The testing cannot be performed as specified because: 1. There is no way to blank off a mechanical joint other than with a plug, and there will not be enough room to install one in the underground piping. 2. AQUA NY will not allow any additional pressure to be put on their system above their standard operating pressure of 60 psi. 3. The butterfly valves provided by Calgon on the above ground piping are only rated to 200 psi. 4. The above ground piping provided by Calgon is not rated for 200 psi.</p> <p>Per the conversation between AGVIQ/CH2M HILL, Phillip Ross (the GC), and TetraTech (David Brayack) the following testing procedures will be used:</p> <p>1. The underground piping will be tested at 200 psi from the new butterfly valves to a blank-off cap installed at the connection point to the Calgon system (both influent and effluent lines).</p> <p>2. The entire system (underground piping up to the new valves, above ground piping, and the vessels) will then be pressure tested at 100 psi. This is above 1.5 times the standard system operating pressure of 60 psi.</p> <p>Please confirm that this revised testing procedure is acceptable.</p>			
Requested By: (Name/Company/Title)		Don Conger, QC Manager, CH2M HILL		Response Requested by Date: 3/30/2012	
REPLY:					
Responded By: (Name/Company/Title)		Date of Response:			
RESPONSE DISPOSITION/ CONCURRENCE:					
Response Dispositioned / Concurred With By: (Name/Company/Title)		Date Response Dispositioned Concurred With:			
FURTHER ACTIONS REQUIRED:					
REVIEW DISTRIBUTION			FINAL DISTRIBUTION		
<input checked="" type="checkbox"/> CH2M HILL PM <input checked="" type="checkbox"/> AGVIQ PM <input type="checkbox"/>			<input type="checkbox"/> CH2M HILL PM <input type="checkbox"/> <input type="checkbox"/>		
<input type="checkbox"/> CH2M HILL CM <input checked="" type="checkbox"/> AGVIQ CM <input type="checkbox"/>			<input type="checkbox"/> CH2M HILL CM <input type="checkbox"/> <input type="checkbox"/>		



***REQUEST FOR INFORMATION***

Project Name/Description:	Installation of Interim Emergency Treatment LPGAC	RFI No.:	004	Date Submitted:	3/29/2012
<input checked="" type="checkbox"/> CH2M HILL QC	<input type="checkbox"/> Project Files	<input type="checkbox"/> CH2M HILL QC	<input type="checkbox"/> Project Files		